No 29

THE COMPLETE MEASURER,

ADAPTED TO

TIMBER AND BUILDING,

AGREEABLE TO THE

IRISH STANDARD:

CONTAINING,

I. The Customs and Prices of the several Artificers Work, relating to Building, such as Carpenters, Bricklayers, Stone-cutters, Slators, Glaziers, Smiths, Plumbers, Painters, Plasterers, and Stucco-mens Work; also Paper Hanging Measure; with Paving, and sinking Foundations.

II. Proportions of Scantling in small and large Buildings.

III. Allowances in Carpentry respecting Wainscot, Doors, and Trimming of Windows.

IV. Prices of Scantlings (from 2 to 8½ Inches) per Running Foot, governed by different Rates per Cube Foot.

V. Allowances pointed out requisite for the various Defects which frequently appear in Timber.

VI. Practical Measuring of Timber, Plank, and Board, customary in this City.

VII. A copious Set of Tables of Solid and Superficial Measure, shewing, at Sight, the Contents practically needful in this Kingdom, and now extended to 42 Inches in Breadth.

VIII. Naval Measuring, or the Method of measuring Ships in Great Britain and Ireland.

IX. A Method of finding the Content of a Cask of Liquor.

X. Rate of Exchange with France, Spain, Holland, Hamburgh, Portugal, Genoa, and Leghorn.

XI. A Table of the Prices of Mens Days-Work, at various Rates per Week of six Days, down to half a Day proportionally.

XII. A Table of Guineas and Half Guineas, from 1, 1½, and so on to 100.

WITH A

CONCISE AND EASY METHOD

OF

KEEPING ACCOUNTS

BY

DAY-BOOK AND LEGER.

The WHOLE struck out in a SATISFACTORY MANNER.

By P. LEVI HODGSON, MEASURER,
And a PRACTITIONER in the Business for THIRTY YEARS.

The SEVENTH EDITION, with large ADDITIONS.

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PREFACE.

FROM the kind Countenance my ſix former Editions of Meaſuring have met with from the Public, joined to the large Demand which ſtill continues for the ſame, I am encouraged to publiſh a Seventh; and in order to render it of more general Uſe, I have made the following Improvements therein, viz.

Additions in the Cuſtoms, with ſome Alteration in the Prices of Artificers Work ſince the Year 1774. Prices of different Kinds of Scantlings per Running Foot. The Breadth in the Superficial Meaſure extended to 42 Inches. The Method of meaſuring Ships in Great Britain and Ireland. A conciſe and eaſy Method of Keeping Accounts by Day-Book and Leger. The different Rates of Exchange with France, Spain, Holland, Hamburgh, Portugal, Genoa, and Leghorn. Prices of Mens Work, from 6 *s.* to 30 *s.* per Week, down to half a Day proportionally. All which, I have Reaſon to believe, will prove ſatisfactory.

I cannot omit taking this Opportunity of returning my grateful Thanks to the ſeveral Noblemen, Gentlemen, and Merchants, who have for theſe many Years favoured me with their Commands in the Meaſuring Buſineſs, in which Branch I continue to practiſe.

POOLBEG-STREET, No. 5,
DUBLIN, *June* 1, 1779.

P. LEVI HODGSON.

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THE CUSTOMS AND PRICES OF THE SEVERAL ARTIFICERS WORK RELATING TO BUILDING.

CARPENTERS WORK.

ROOFING and Flooring are measured by the Square of 10 Feet each Way, 100 Feet making one Square.

EXAMPLE. A Piece of Work 96 Feet 3 Inches long, by 21 Feet 3 Inches broad; how many Squares does it contain?

RULE. Multiply Length by Breadth in Feet and Inches, and that Product, divided by 100, gives the Content in Squares.

OPERATION.

Ft.	In.	
96	3	Length.
21	3	Breadth.
96		
1925	3	
24	0	9
1,00|20|45	3	9

Answer. 20 Squares, 45 Feet, 3 Inches, 9-12ths.

In Roofing, measure Flat and Half from Out to Out of the Wall Plates, or take the Length of the Rafter in order to be more correct, which, when doubled, multiply it by the Depth of the House, from Out to Out, observing to add the Thickness of the Wall-plates.—Rafter Feet may be included in the Depth of the Roof, or made Running-measure as the Gutters. No Deduction is made for Chimney Shafts or Sky Lights.

In Flooring, deduct for Stair Cases and Hearths, and allow for the Joists in one Wall.

Filling with Shuts of Shop Frames, by the Yard; the Frames and Runners thereof Running-measure.

Wainscoting is measured by the square Yard of 9 square Feet.

EXAMPLE. A Partition 14 Feet 6 Inches high, by 10 Feet 3 Inches wide, how many square Yards?

RULE. Multiply Height by Width in Feet and Inches, which, divided by 9, will give square Yards.

OPERATION.

	Ft.	In.	
	14	6	Height.
	10	3	Width.
	140		
	5		
	3	6	Parts.
		1	6
9	148	7	6

Yards 16 4 Ft. 7 In. 6 Parts.

Answer, or 16 Yards and ½.

☞ *For Customs in Wainscoting, see Pages* 6 *and* 7.

Measure your Sashes in the Clear of the Frames, and when Sash and Frame are measured together, take from Out to Out of the Frame, always adding the lapp'd Rail.

Boarding measured in the Clear of the Walls, deducting from the same for Chimneys and Hearths.

Cieling and Flooring Joists measured the full Length. No Deduction from the same on Account of Hearths.

In Coach House Gates and Frames: If the Jambs of the Gate be 6 Inches by 9 Inches, the Breastsummer or Head must be 9 Inches by 10 Inches, and the Gate Inch and ½ thick.

Sashes. Bridging and Boarding under Lead—by the square Foot.

Stair Cases are by the Story.

Outside Doors, Door Cases, Sash Frames, Columns, Pillasters, Curbs, and Cartouch Brackets to the End of open newel Stair Steps,—by the Piece.

Ovella Moldings, Cornices, Bracketing, Architraves, Base, Sub-base, Plinth, Springboard, Hand-rails, bridging between Joists, Saddles and Staffs to Quoins, Pallisadoes, Chinese Rails, Coach House Gates and Frames, Rack and Manger, Trunks, Gutters, and the like, } Running Measure.

PRICES

PRICES of CARPENTERS WORK, finding MATERIALS.

FRAMED Roofing being various, according to the Bearings, Strength of the Frame, or Length of the Span, may be ſaid to run as follows:

Large Dwelling Houſe, from 3 l. 8s. to 4 l.
Church Roofing, from 4 l. 11 s. to 5 l. 5 s. and upwards,
Roofing with Collar Beams, the Rafters 2 ½ Inches thick, 6 Inches at Bottom, and 5 at Top, for a Dwelling Houſe 30 or 40 Feet Front, from 34 s. to 36s.
Roofing Out Offices, from 30 s. to 32 s.
} per Square.

Bridging and boarding under Lead, from 8 d. to 9 d. per Foot.

Cieling Joiſts, from 16 s. to 18 s.
Stud (or quartered) Partitions, ditto,
Truſs Partitions in Halls, from 28 s. to 30 s.
Joiſts and Floor in Parlour and principal Rooms, the Joiſts 2 ½ Inches thick, by 12 Inches deep, the Floor of Inch and ½ Plank dowel'd, from 95 s. to 97 s.
Joiſts and Floor in third Story, the Joiſts 2 ½ Inches by 10, and Floor of merchantable whole Deal, laid ſtrait Joint, from 66 s. to 68 s.
Garret Joiſts and Floor, the Joiſts 2 ½ by 10, and Floor of Inch thick, ſtrait Joint, from 58 s. to 60 s.
Joiſts and Floor, the Joiſts 2 Inches thick, and 9 ½ deep, with broken Joint, Boarding out of 2 Inch Dram Deal, ſlit, from 54 s. to 56 s.
Joiſts and Floor in Out Offices, from 50 s. to 54 s.
Counter Boarding between Joiſts, from 15 s. to 17 s.
} per Square.

Bridging between Joiſts, 3 d.
Fillet Gutters and Trunks, 8 d. 9 d. and 10 d.
Square Saſhes in Houſe and Offices, hook'd, ſtop'd, ſlipt, hung, and glaz'd, from 1 s. 4d. to 1 s. 5 d.
Circular Saſhes, finiſhed in like Manner, from 2 s. 2 d. to 2 s. 4 d.
} per Foot.

Square Saſh Frames, from 7 s. to 9 s.
Circular ditto, from 15 s. to 16 s.
Mahogany Curbs round Hearth Stones, from 9 s. to 10 s.
Oak ditto to ditto, from 6 s. 6 d. to 7 s. 6 d.
Cellar Doors, Whole Deal ledged, and Caſes 4 by 5 ſquare, from 19 s. to 20 s.
Vault ditto, ledged and Caſes, from 15 s. to 17 s.
Mahogany carved Cartouch Brackets to the End of open newel Stair Steps, from 18 d. to 2 s. 8 d.
} per Piece.

Wainſcot, Doors and Trimming of Windows, &c. from 4 s. 4d. to 4 s. 6d. and 4 s. 8 d. per Yard.

Straight Architraves, ſingle faced, from 6 d. to 7 d.
Architraves, ſingle faced and kneed, from 6 ½ d. to 7 d.
Double faced Architraves, kneed, from 7 ½ d. to 8 d.
Molded Skirting, from 4 d. to 4 ½ d.
Baſe and Subbaſe, in two lower Stories, from 7 d. to 8 d.
Ditto in upper Stories, from 6 d. to 7d.
Ditto on Stair Caſe, from 7 d. to 8 d.
} per Foot.

Mahogany

Mahogany ovella Mouldings round Chimney Pieces, from 15d. to 16d.
Deal ditto to ditto, from 6 d. to 6½ d.
Bracketing to Stucco Cornice to the two principal Stories and Stair Cases, from 4 d. to 5 d.
Fir Palisades and Chinese Rails, from 5 s. 9 d. to 6 s. 6 d.
Casings to Quoins, 4 d.
Staffs on Quoins, 2 d.
Spring Board, 3 d.
Rack and Manger, with solid Oak Breast and Knees, Ash Staves turned, 6s. 7 s. and 8 s.
Cornice to Rack, from 4 d. to 4½ d.
Coach House Gates (Whole Deal) and Frames, from 8 s. to 8 s. 6 d.
Mahogany Hand Rails to geometrical Stairs, and screwing the Iron Ballusters, from 3 s. 4 d. to 5 s.
Oak ditto to ditto, and screwing ditto, from 3 s. to 4 s.
} per Foot.

Grand Stairs, according to the Design, 20, 25, 30 Guineas and upwards, per Story.
Back and Garret Stairs in Wood, from 7 l. to 10 l. per Story.
Hall Door framed, lined, and hanging Stiles, from 2l. 10s. to 3l. 5s. each.

PRICES of CARPENTERS WORK, Workmanship only.

FRAMED Roofing on Dwelling Houses, from 15 s. to 18 s.
Ditto on Churches, from 22 s. to 24 s.
Roofing with Collar Beams on Dwelling Houses 30 or 40 Feet Front, from 4s. 6 d. to 6 s.
Cieling Joists, from 2 s. 3 d. to 3 s.
Stud Partitions, ditto,
Joists and Floor, with thorough Plank 1½ Inch dowelled, 15 s. and 16 s.
Ditto,—ditto, nailed, from 13 s. to 14 s.
Joists and Floor, with straight joint Boarding, 9 s. 6d. and 10 s.
Ditto with broken joint Boarding, from 6 s. to 7 s.
Counter Flooring, from 2 s. 6d. to 3 s.
} per Square.

Bridging between Joists, 1½ d. per Foot.
Wainscot, Doors, Window Shutters, Pedestal Work, Sophits, &c. from 1 s. 9d. to 2 s. 2 d. per Yard.
Double faced Architraves, kneed, from 3½ d. to 4 d.
Single faced ditto, kneed, from 3 d. to 3½ d.
Straight Architraves, single faced, from 2½ d. to 3d.
Base, Subbase, and ovella Mouldings, from 3 d. to 4 d.
Plain Plinth, 2 d.
Sashes, slipped, stopped, hooked and hung, from 3½ d. to 4 d.
} per Foot.

Sash Frames with Pullies, boxed, from 3 s. to 3 s. 6 d.
Door Cases, rabbeted, and stuck, from 2 s. 6 d. to 3 s.
Doors for ditto, rabbeted, stuck and ledged, from 3 s. 6d. to 5 s.
Mahogany carved Cartouch Brackets to the End of open newel Stair Steps, from 1 s. 4 d. to 2 s. 6 d.
Curbs round Hearth Stones, from 2 s. 6 d. to 3 s.
} per Piece.

Trunks,

Trunks, Gutters, Bridging, and Boarding under Lead, from 3 d. to 3½ d.
Bracketing to Stucco Cornice, from 2 d. to 3 d.
Spring Board, 1 d.
Saddles to Quoins, 1½ d.
Staffs on Quoins, 1 d.
Half Hand Rail and Base, from 3½ d. to 4 d.
Circular ditto, from 7 d. to 8 d.
Mahogany Hand-rails to geometrical Stairs, and screwing the Iron Ballusters, from 1 s. 8 d. to 2 s. 6 d.
Oak ditto to ditto, and screwing ditto, from 1 s. 6 d. to 2 s.
} per Foot.

Open newel Stairs, with Mahogany Hand-rails, ramp'd and kneed, with a Volute at Bottom, from 8 to 12 Guineas.
Open newel Stairs, with Deal Hand-rails, ramp'd and kneed, from 2 l. 10 s. to 3 l.
Dog-legged Stairs, Deal, from 30 s. to 40 s.
} per Story.

Hall Door framed, hanging Stiles and circular Sash over ditto, from 30 s. to 40 s. each.

Gates and Cases, rabbeted and stuck, from 3 s. to 3 s. 6 d.
Rack and Manger, with solid Oak Breast and Knees, from 3 s. to 4 s.
Fir Palisades and Chinese Rails, from 2 s. 2 d. to 3 s. 3 d.
} per Foot.

Circular Work, double Work.

PROPORTIONS OF SCANTLINGS.

Denominations.	Length or Height in Feet.	Scantlings in Inches, &c.		
Sills,	18	4½	by	10
	20	5½		11
	25	6		12
Uprights for Shop Frames,	7½	5	by	10
	9	6		11
	10	7		12
Interstices,	5	3½	by	10
	6	4		11
	8	5		12
Breastsummers,	18	11	by	10
	20	12		11
	25	14		12
Thorough Joists,	12	1¾	by	7
	16	1¾		9
	20	2		10
Cieling Joists,	12	1¼	by	3
	16	1½		4½
	20	1¾		5
Collar Beams,	Much the same as Cieling Joists, or very little less.—Some chuse to leave them equal to the Cieling Joists.			

Denominations,

Denominations.	Length or Height in Feet.	Scantlings in Inches, &c.
Wall Plates,	18 20 25	2 by 5 2½ by 6 3 by 6½
Thorough Rafters,	10½ 12 13½	1½ by 4 at Bottom, and 3½ at Top. 1¾ by 4½ ditto, and 4 ditto. 2 by 5 ditto, and 4 ditto.
Hips,	11½ 3½ 16½	2 Thickness. The Breadth must be equal 2¼ Thickness. to the Bevil-Cut of the Creep- 2½ Thickness. ing-Rafter.
Ridge Poles.	Inch thick, the Breadth thereof to be equal to the Bevil-Cut of the Top of the Rafter.	

SCANTLINGS.

For a Framed Roof of 50 Feet Span, viz.

Girders, - -	13 Inches by 9, and framed to camber in themselves.
Principals, -	12 Inches at Bottom, and 8 Inches at Top,—9 Inches thick.
King Posts, -	12 Inches by 9 Inches.
Purloins, - -	From 8½ Inches to 9 Inches square.
Strut Braces, -	From 7 Inches to 9, by 6 Inches.
Rafters, -	6½ Inches at Foot, and so taper to 5 Inches at Top, by 2½ Inches thick.
Wall Plates, -	10 Inches broad, by 4½ to 5 Inches thick.
Bond Plates under Girders,	6 Inches by 10 Inches.

For a lesser Span, such as from 24 to 26 Feet, viz.

Girders, -	12 Inches by 6 Inches.
Principals, -	10 Inches at Bottom, and 6½ at Top.——6 Inches thick.
King Posts, -	12 Inches by 6 Inches.
Purloins, -	7 Inches square.
Rafters, -	5½ Inches by 4 Inches,—2½ Inches thick.
Strut Braces, -	5 Inches by 6 Inches.

Wall Plates and Bond Plates—as above-mentioned.

Wainscot, Doors, and Trimming of Windows, &c.

Partitions.

If boarded with Two-cut Deal—single Work.

If Slit Deal and Quarters Three, stuck, rabbeted and planed on both Sides—Work and ¼.

Framed

Framed Wainſcot.

The Pannels thereof mulleted, both Sides planed, from Inch and $\frac{1}{2}$ to Inch, ſlit Deal—Work and $\frac{1}{4}$.

Pannels of ſlit Deal, both Sides planed and glued, or where Partitions are grooved, and in caſe the Stiles be agreeable to Quarters Two, Whole Deal,—Work and $\frac{1}{2}$.

Battened Pannels.

Slit Deal, not ledged,—Work and $\frac{1}{4}$.
Ditto, ledged—Work and $\frac{1}{2}$.
Inch and $\frac{1}{2}$ to Inch thick, not ledged—Work and $\frac{1}{2}$.
Ditto, ledged—Work and $\frac{3}{4}$.
Dutch-battened Pannels—Double Work.

Bede and Fluſh.

Inch and $\frac{1}{2}$ to Inch and $\frac{3}{4}$ grooved Framing, and Pannels of Inch, one Side thereof ſtuck,—Work and $\frac{3}{4}$.

If ſtuck on both Sides,—Double Work.

N. B. Add $\frac{1}{4}$ more if both Sides are fluſh.

Inſide Doors Framed.

Stuck on one Side and ſquare on the other,—Work and $\frac{1}{2}$.
The Pannels raiſed on one Side and flat on the other,—Work and $\frac{1}{4}$.
Stuck on both Sides,—Work and $\frac{3}{4}$.
Inch and $\frac{3}{4}$ thick, both Sides ſtuck and the Pannels flat,—Double Work.
Pannels raiſed on both Sides,—Double Work.
Inch and $\frac{1}{2}$ thick, ſtuck, and Pannels raiſed on both Sides,—Double Work.

N. B. In kneed and plain Architraves of Doors and Windows, girth round the Out-edge.

Window Shutters Framed.

Stuck on one Side and ſquare on the other, Inch and $\frac{1}{4}$ thick or more, —Work and $\frac{1}{2}$.

Stuck on both Sides, Inch and $\frac{1}{2}$ thick,—Work and $\frac{3}{4}$.

N. B. Framed Wainſcot, ſtuck with raiſed Pannels, are girth'd in Height and Width.

Plain back Leaves, Inch thick or more,—Work and $\frac{1}{4}$.

Kitchen Shelves, Tables, Cupboards, Dreſſers, and ſuch like, (where Days Work is not mentioned) are as follow:

$\frac{1}{2}$ Inch thick,—Single Work.
Inch thick,—Work and $\frac{1}{8}$.
Inch and $\frac{1}{4}$,—Work and $\frac{1}{4}$.
Inch and $\frac{1}{2}$,—Work and $\frac{1}{2}$.
Inch and $\frac{3}{4}$ and 2 Inch,—Work and $\frac{3}{4}$.

N. B. Cornices or any other Mouldings thereunto belonging, are running Meaſure.

TABLES,

SHEWING THE

VALUE (*PER* RUNNING FOOT)

OF

SCANTLING,

At the following PRICES; *viz.*

1 *s.* 6 *d.*——2 *s.*——2 *s.* 3 *d.*——2 *s.* 6 *d.* and 3 *s.*
per Foot Solid,

From 2 Inches to 8½ Inches.

N. B. All Scantling, more than 8½ Inches, to be charged by the Cube or Foot ſolid.

☞ In finding the Prices of Scantling, have Recourſe to the different Squares mentioned under the Prices of the Cube Foot, and you will find over againſt the Squares in Inches, &c. ſet down in the firſt Column on the Left-Hand, the Prices of the different Scantlings *per* Running Foot, in Pence and Farthings, agreeable to the Prices *per* Cube Foot mentioned at the Top of the Page.

Per Cube Foot.	s. d. 1 6	s. d. 2 0	s. d. 2 3	s. d. 2 6	s. d. 3 0
Sqrs.	2 Inches by				
	d.	d.	d.	d.	d.
2	½	½	½	¾	1
2½	½	¾	¾	1	1¼
3	¾	1	1	1	1½
3½	¾	1	1	1¼	1¾
4	1	1¼	1¼	1½	2
4½	1	1½	1½	1¾	2¼
5	1¾	1½	1¾	2	2½
5½	1¼	1¾	2	2¼	2¾
6	1½	2	2¼	2½	3
6½	1½	2	2¼	2¾	3¼
7	1¾	2½	2½	3	3¾
7½	1¾	2½	2¾	3	3¾
8	2	2½	2¾	3¼	4
8½	2	2¾	3	3½	4¼
9	2¼	3	3¼	3¾	4½
9½	2¼	3	3½	3¾	4¾
10	2½	3¼	3½	4	5
10½	2½	3½	3¾	4¼	5¼
11	2¾	3½	4	4½	5½
11½	2¾	3¾	4¼	4¾	5¾
12	3	4	4½	5	6

Sqrs.	2½ Inches by				
	d.	d.	d.	d.	d.
2½	¾	1	1	1¼	1½
3	¾	1¼	1¼	1½	1¾
3½	1	1¼	1½	1½	2
4	1¼	1½	1¾	2	2½
4½	1¼	1¾	1¾	2	2¾
5	1½	2	2¼	2½	3
5½	1½	2¼	2¼	2½	3¼
6	1½	2½	2¾	3	3¾
6½	2	2½	2¾	3	4
7	2	2¾	3	3¼	4¼
7½	2¼	3	3¼	3¾	4½
8	2½	3¼	3½	4	5
8½	2½	3½	3¾	4¼	5¼
9	2¾	3¾	4	4¼	5¾
9½	2¾	3¾	4¼	4½	5¾
10	3	4	4½	5	6¼
10½	3¼	4¼	4¾	5	6½
11	3¼	4½	5	5¼	6¾
11½	3½	4¾	5¼	5¾	7
12	3¾	5	5½	6¼	7½

Per Cube Foot.	s. d. 1 6	s. d. 2 0	s. d. 2 3	s. d. 2 6	s. d. 3 0
Sqrs.	3 Inches by				
	d.	d.	d.	d.	d.
3	1	1½	1½	1¾	2¼
3½	1¼	1¾	2	2	2½
4	1½	2	2¼	2½	3
4½	1½	2¼	2½	2¾	3¼
5	1¾	2½	2¾	3	3¾
5½	2	2¾	3	3¼	4
6	2¼	3	3¼	3¾	4½
6½	2½	3¼	3½	4	4¾
7	2½	3½	3¾	4¼	5¼
7½	2¾	3¾	4	4½	5½
8	3	4	4½	5	6
8½	3	4¼	4¾	5¼	6¼
9	3¼	4½	5	5½	6¾
9½	3½	4¾	5¼	5¾	7
10	3¾	5	5½	6¼	7½
10½	3¾	5¼	5¾	6½	7¾
11	4	5½	6	6¾	8¼
11½	4¼	5¾	6¼	7	8½
12	4½	6	6¾	7½	9

Sqrs.	3½ Inches by				
	d.	d.	d.	d.	d.
3½	1½	2	2¼	2½	3
4	1¾	2¼	2½	2¾	3½
4½	1¾	2½	2¾	3	3¾
5	2	2¾	3	3½	4¼
5½	2¼	3¼	3½	4	4¾
6	2½	3½	3¾	4¼	5¼
6½	2¾	3¾	4	4½	5½
7	3	4	4½	5	6
7½	3¼	4¼	4¾	5½	6½
8	3½	4½	5	5¾	7
8½	3½	4¾	5¼	6	7¼
9	3¾	5¼	5¾	6¼	7¾
9½	4	5½	6	6¾	8¼
10	4¼	5¾	6½	7¼	8¾
10½	4½	6	6¾	7½	9
11	4¾	6¼	7	7¾	9½
11½	5	6½	7¼	8¼	10
12	5¼	7	7¾	8¾	10½

Per Cube Foot.	s. d. 1 6	s. d. 2 0	s. d. 2 3	s. d. 2 6	s. d. 3 0
Sqrs.	4 Inches by				
	d.	d.	d.	d.	d.
4	2	2½	3	3¼	4
4½	2¼	3	3¼	3¾	4½
5	2½	3¼	3½	4	5
5½	2¾	3½	4	4½	5½
6	3	4	4½	5	6
6½	3¼	4¼	4¾	5¼	6½
7	3½	4½	5	5¾	7
7½	3¾	5	5½	6¼	7½
8	4	5¼	5¾	6½	8
8½	4¼	5½	6¼	7	8½
9	4½	6	6½	7¼	9
9½	4¾	6¼	7	7¾	9½
10	5	6½	7¼	8	10
10½	5¼	7	7¾	8½	10½
11	5½	7¼	8¼	9	11
11½	5¾	7½	8½	9½	11½
12	6	8	9	10	12

Per Cube Foot.	s. d. 1 6	s. d. 2 0	s. d. 2 3	s. d. 2 6	s. d. 3 0
Sqrs.	5 Inches by				
	d.	d.	d.	d.	d.
5	3	4	4½	5	6¼
5½	3¼	4½	5	5½	6¾
6	3¾	5	5½	6¼	7½
6½	4	5¼	6	6½	8
7	4¼	5¾	6½	7¼	8¾
7½	4½	6¼	6¾	7½	9¼
8	5	6½	7¼	8	10
8½	5¼	7	7¾	8½	10½
9	5½	7½	8¼	9¼	11¼
9½	5¾	7¾	8¾	9½	11¾
10	6¼	8¼	9¼	10¼	12½
10½	6½	8¾	9½	10½	13
11	6¾	9	10	11	13¾
11½	7	9½	10½	11½	14¼
12	7½	10	11	12½	15

Sqrs.	4½ Inches by				
	d.	d.	d.	d.	d.
4½	2½	3¼	3¾	4¼	5
5	2¾	3¾	4	4½	5½
5½	3	4	4½	5	6
6	3¼	4½	5	5½	6¾
6½	3½	4¾	5¼	6	7¼
7	3¾	5¼	5¾	6¼	7¾
7½	4	5½	6	6¾	8¼
8	4½	6	6½	7¼	9
8½	4¾	6¼	7	7¾	9½
9	5	6¾	7½	8¼	10
9½	5¼	7	7¾	8½	10½
10	5½	7½	8¼	9	11¼
10½	5¾	7¾	8½	9½	11¾
11	6	8¼	9	9¾	12¼
11½	6¼	8½	9¼	10¼	12¾
12	6¾	9	10	11	13½

Sqrs.	5½ Inches by				
	d.	d.	d.	d.	d.
5½	3¾	5	5½	6¼	7½
6	4	5½	6	6¾	8¼
6½	4¼	5¾	6½	7¼	8¾
7	4¾	6¼	7	7¾	9½
7½	5	6¾	7½	8¼	10¼
8	5½	7¼	8	9	11
8½	5¾	7¾	8½	9¼	11½
9	6	8¼	9	10	12¼
9½	6½	8½	9½	10½	13
10	6¾	9	10	11¼	13¾
10½	7	9½	10½	11½	14¼
11	7½	10	11	12	15
11½	7¾	10½	11½	12¾	15¾
12	8¼	11	12¼	13¾	16½

Per Cube Foot.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0
Sqrs.	6 Inches by				
	d.	d.	d.	d.	d.
6	4½	6	6¾	7½	9
6½	4¾	6½	7¼	8	9¾
7	5¼	7	7¾	8½	10½
7½	5½	7½	8¼	9	11¼
8	6	8	9	10	12
8½	6¼	8½	9½	10½	12¾
9	6¾	9	10	11¼	13½
9½	7	9½	10½	11¾	14¼
10	7½	10	11¼	12½	15
10½	7¾	10½	11¾	13	15¾
11	8¼	11	12¼	13¾	16½
11½	8½	11½	12¾	14	17¼
12	9	12	13½	15	18

Per Cube Foot.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0
Sqrs.	7 Inches by				
	d.	d.	d.	d.	d.
7	6	8	9	10	12¼
7½	6½	8¾	9¼	10¾	13
8	7	9¼	10¼	11½	14
8½	7¼	9¾	10¾	12	14¾
9	7¾	10½	11¾	13	15¾
9½	8¼	11	12¼	13¾	16½
10	8¾	11½	13	14½	17½
10½	9	12¼	13¾	15¼	18¼
11	9½	12¾	14¼	16	19¼
11½	10	13¼	15	16¾	20
12	10½	14	15¾	17½	21

Sqrs.	6½ Inches by				
	d.	d.	d.	d.	d.
6½	5¼	7	7¾	8¾	10½
7	5½	7½	8¼	9¼	11¼
7½	6	8	9	10	12
8	6½	8½	9¾	10¾	13
8½	6¾	9	10¼	11¼	13¾
9	7¼	9¾	10¾	12	14½
9½	7½	10¼	11½	12¾	15¼
10	8	10¾	12	13¼	16¼
10½	8½	11¼	12½	13¾	17
11	8¾	11¾	13	14¼	17¾
11½	9¼	12¼	13½	15	18½
12	9¾	13	14½	16¼	19½

Sqrs.	7½ Inches by				
	d.	d.	d.	d.	d.
7½	7	9¼	10½	11¾	14
8	7½	10	11¼	12½	15
8½	7¾	10½	11¾	13	15¾
9	8¼	11¼	12½	14	16¾
9½	8¾	11¾	13¼	14¾	17¾
10	9¼	12½	14	15½	18¾
10½	9¾	13	14¾	16¼	19½
11	10¼	13¾	15¼	17	20½
11½	10¾	14¼	16	17¾	21½
12	11¼	15	16¾	18¾	22½

Per Cube Foot.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0
Sqrs.	8 Inches by				
	d.	d.	d.	d.	d.
8	8	10½	12	13¼	16
8½	8½	11¼	12½	14	17
9	9	12	13½	15	18
9½	9½	12½	14	15¾	19
10	10	13¼	14¾	16½	20
10½	10½	14	15¾	17½	21
11	11	14½	16½	18¼	22
11½	11½	15¼	17	19	23
12	12	16	18	20	24

Per Cube Foot.	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	2 0	2 3	2 6	3 0
Sqrs.	8½ Inches by				
	d.	d.	d.	d.	d.
8½	9	12	13½	15	18
9	9½	12¾	14¼	15¾	19
9½	10	13¼	15	16½	20
10	10½	14	15¾	17½	21¼
10½	11	14¾	16½	18½	22¼
11	11½	15½	17¼	19¼	23¼
11½	12	16¼	18¼	20¼	24¼
12	12½	17	19	21¼	25½

BRICKLAYERS WORK.

THE chief Part whereof is measured by the Perch, being 21 Feet in Length, of 9 Inch Brick, one Foot high.

EXAMPLE. A Piece of Work 66 Feet long, 20 Feet 6 Inches high, and 28 Inches thick, how many Perches?

RULE. Multiply Length by Height in Feet and Inches, and that Product by the Inches in Thickness, which divide by 9, and that Quotient by 21, and you will have the Number of Perches contained, standard Measure in IRELAND.

OPERATION.

```
      Ft. In.
      66  0 Length.
      20  6 Height.
     ------
     1320
       33
     ------
     1353
       28 Inches thick.
    -------
    10824
    2706
   --------
   9|37884
   --------
   21|4209  3
```

Answer. Perches 200 9 Feet 3 Inches.

Vacancies

Vacancies of Doors or Windows are included for Workmanſhip only, and for 6 Feet in Width; Door-way is allowed.

Foot Arches over Doors, Windows, or Gates, inſide Archers, counter Arches over Chimneys, and Pargetting of Funnels, by the Piece.

For Four-inch Walls, 2-3ds of 9-inch Work is generally allowed.

Three-inch Walls, half of 9-inch Work.

Centering and flooring Vaults with Brick, equal to the Price of Brick Walls.

Flooring with Tyles, by the ſquare Yard.

Window-ſtools and Coping, by the ſuperficial Foot.

Stone Eves, by the running Foot.

Chimnies.

Are meaſured as ſolid, deducting for the Vacancies.

In meaſuring angle Chimnies, multiply the Height of the Story by the Breaſt, take $\frac{1}{4}$ of the Breaſt for the Thickneſs, which reduce into 9-inch Work; take Length, Breadth and Thickneſs of the Shaft, which likewiſe reduce into 9 Inch Work; add all altogether and deduct a Foot ſquare, by the Height of each Story, for the Funnels.

Opening of Chimnies included for Workmanſhip only.

In rough Stone Work.

Twenty-one Feet in Length of 18-inch Stone, 1 Foot high, make a Perch.

To find the Contents of Stone Work, multiply Length by Height in Feet and Inches, and that Product by the Inches in Thickneſs, which laſt Product divided by 18, and that Quotient by 21, will give the Perches contained.

PRICES of BRICKLAYERS WORK, finding MATERIALS.

WALLS, 9-inch Brick, and 18-inch Stone reduced, from 7 s. to 7 s. 9 d.
Four-inch Walls, from 4 s. to 4 s. 6 d.
Vault Arches, from 8 s. to 8 s. 6 d.
Centers to ditto, Mortar and Work, from 3 s. 3 d. to 3 s. 6 d.
Flooring Vaults with Brick on the Edge, 5 s.
Ditto, on the Flat, 4 s.
} per Perch.

Pargetting of Funnels, and additional Work to the ſame, from 14 s. to 16 s. per Piece.

Flooring with Tyles, from 3 s. to 3 s. 3 d. per Yard.

N. B. 236 Bricks, Mortar and Work, make a Perch of Work.

PRICES of BRICKLAYERS WORK, Workmanship only.

WALLS, 9-inch Brick and 18-inch Stone reduced, from 1 s. 1 d to 1 s. 4 d.
Four-inch Walls, from 8 d. to 9 d.
Vault Arches, from 1 s. 3 d. to 1 s. 6 d.
Centers to ditto, from 1 s. to 1 s. 4 d.
Flooring Vaults with Brick, from 1 s. 1 d. to 1 s. 4 d.
} per Perch.

Cut Stone Eves, one Course deep, from 1 d. to 1½ d. per Foot.
Setting Window Stools and Coping, 1½ d. per superficial Foot.

Foot Arches over Doors or Windows (place Brick) from 1 s. 8 d. to 2 s. 6 d.
Ditto, (stock Brick) from 3 s. to 3 s. 6 d.
Nine-inch inside Archers to ditto, from 1 s. 1 d. to 1 s. 2 d.
Stock Brick Arches over Gates, from 7 s. to 9 s.
Inside Archers to ditto, from 3 s. 6 d. to 4 s.
Counter Arches over Chimnies, from 1 s. 8 d. to 2 s. 6 d.
Pargetting of Funnels and Additional Work to ditto, from 7 s. 7 d. to 9 s.
} per Piece.

Flooring with Tyles, from 5 d. to 6 d. per Yard.
Note. Stock Brick Fronts, double the Price of place Brick.
Arching in Vaults and 14-inch Walls, Work and half.

STONE-CUTTERS WORK

Is measured by the superficial Foot, unless Mountmellick Flags, which are by the square Yard.

PRICES, finding Materials.

COMMON Mountain Stone Steps and Flagging, Window Stools and Coping, from 10 d. to 1 s. 2 d.
Palisade-Base, from 1 s. 4 d. to 1 s. 6 d.
Plinth to ditto, from 1 s to 1 s. 1 d.
Plain Ashlers of Kilgobbin Stone, from 10 d. to 1 s.
Ditto Golden Hill Stone, from 1 s. to 1 s. 2 d.
Rustic Ashlers, Quoins, &c. Golden Hill Stone, properly bonded, from 1 s. 2 d. to 1 s. 4 d.
Ditto Kilgobbin Stone, from 1 s. to 1 s. 2 d.
Mouldings for ditto, Golden Hill Stone, according to the Design, from 1 s. 4 d. to 3 s.
Ditto Kilgobbin Stone, from 1 s. 4 d. to 2 s. 6 d.
Flagging in Halls, ditto, from 1 s. 4 d. to 3 s.
Geometrical Stair Steps, ditto, from 1 s. 6 d. to 3 s.
} per Foot.

Mountmellick Flags, from 3 s. 6 d. to 4 s. per Yard.

☞ In Coping and Window Stools, measure with a Girt Line (wherever the Chizzel goes) round the whole Toothing, by the full Length.

N. B. Door Cases and Chimney Pieces being governed by Fancy, must run *per* Agreement, and according to the Grandeur of the Design.

SLATORS

SLATORS WORK

Is measured by the Square of 100 Feet.

NO Deduction is made for Chimney Shafts on Stuff.—Hips, Vallies and Eves, double Measurement.

Six Hundred of Double Slates cover a Square of Work.
One Thousand of Singles, ditto.
One Hundred and sixty-five Tyles, ditto.

PRICES of SLATORS WORK, finding all MATERIALS.

SLATING and rendering with Doublers, (Carnarvon Slates) from 1 l. 4 s. to 1 l 6 s.
Ditto with Singles, from 1 l. 3 s. to 1 l. 4 s.
Dutch Tyles, Covering and Pointing within and without, from 1 l. 6 s. to 1 l. 8 s.
Dutch Tyles, Covering and Pointing within-side, from 1 l. 5 s. to 1 l. 7 s.
Ditto, and Pointing without-side, ditto,
} per Square.

Workmanship only.

SLATING and rendering, from 5 s. 6 d. to 6 s. 6 d.
Pointing, (Mortar and Work) 2 s. 6 d.
Ditto, (Work only) 2 s.
Covering with Tyles, and Pointing within and without, from 6 s. to 6 s. 6 d.
Ditto, and Pointing without-side, from 4 s. to 4 s. 6 d.
Ditto, and Pointing within-side, from 4 s. 6 d. to 5 s.
} per Square.

Stripping and closing Gutters, not exceeding 12 Inches in Depth, 3 d. per running Foot.

Covering Penthouse or small Breach, not exceeding half a Square, 6 d. per running Foot; but if more than Half a Square, 3 d. per superficial Foot, (Mortar and Work) which is equal to 1 l. 5 s. per Square, and more ready.

Upright Slating.

Best Manner,	Finding Materials, 2 l. Workmanship only, 1 l.	per Square.
In Common,	Finding Materials, 1 l. 10 s. Workmanship only, 15 s.	per Square.

GLAZIERS

GLAZIERS WORK

Is measured by the superficial Foot, from Putty to Putty.

BEFORE the Example, it is necessary to get the following Table by Heart:

Feet multiplied by	Feet, Inches, Parts, Seconds, Thirds	produce	Feet. Inches. Parts. Seconds. Thirds.
Inches multiplied by	Inches, Parts, Seconds, Thirds	produce	Parts. Seconds. Thirds. Fourths.
Parts multiplied by	Parts, Seconds, Thirds	produce	Thirds. Fourths. Fifths.
Seconds multiplied by	Seconds, Thirds	produce	Fifths. Sixths.
Thirds multiplied by	Thirds	produce	Sevenths.

Note. 12 Thirds 1 Second.
12 Seconds 1 Part.
12 Parts 1 Inch.
12 Inches 1 Foot.

EXAMPLE. A Window 16 Feet $6\frac{1}{2}$ Inches high, by 8 Feet $4\frac{1}{2}$ Inches wide, how many superficial Feet?

RULE. Multiply Height by Width in Feet, Inches and Parts, and you will have the Contents in superficial Feet.

OPERATION.

Ft.	In.	Parts.	
16	6	6	Height.
8	4	6	Width.
132	4	0	Seconds.
5	6	2	0
	8	3	3
138	6	5	3

Or, 138 Feet and $\frac{1}{2}$ superficial.

☞ Where Windows are arched, or of a curved Form, they are measured by the full Diameters.

PRICES of GLAZIERS WORK, finding MATERIALS.

LONDON Crown Glaſs, from 2 s. 8 d. to 2 s. 9 d.
Briſtol Crown and Newcaſtle, from 7 d. to 10 d.
Octagon and Gothic Panes, from 1 s. to 1 s. 4 d.
Iriſh Crown, 7 d.
In Lead, 6 d.
} per Foot.

Wire Work.

Round Maſh, 6 d. per Foot.
Fly Work, from 2 s. 4 d. to 2 s. 8 ½ d. per Foot.

SMITHS WORK.

PALISADES by the C. Weight.

Iron Hand Rails and Balluſters, ſtandard Globe Irons, Window Bars and Grates, by the lb. Wt.

Arch Globe Irons and ſmoke Jacks, by the Piece.

Scroll Pannels to geometrical Stair Steps, by the Step.

Extinguiſhers, by the Pair.

PRICES, finding MATERIALS.

Bowed Paliſades, finiſhed in the beſt Manner, 1 l. 17 s. 4 d. per C. Wt.

Paliſades of a cheaper Kind (not bowed) 1 l. 12 s. 8 d. per C. Wt.

Window Bars, 3 ½ d.
Grates ſet in Flags, 3 ½ d.
Kitchen Grates, 3 d.
Iron Hand Rails and Balluſters to geometrical Stairs, 5 d.
Kitchen Grates with wind-up Niggers, finiſhed in an elegant Manner, from 6 ½ d. to 7 d.
} per lb.

Standard Globe Irons, from 5 d. to 7 d.
Arch Globe Irons, according to the Deſign, from two Guineas and half, to three Guineas and upwards,
Smoke Jacks, from 10 l. to 15 l.
} per Piece.

Scroll Pannels to geometrical Stair Steps, from 18 s. to 1 l. 2 s. 9 d. per Step.

Extinguiſhers, 13 s. per Pair.

PLUMBERS WORK.

Their PRICES, finding MATERIALS.

SHEET Lead, 1 l. 2 s.
Lead Trunks, Pumps, batten Ciſterns, and Pipes of 3 Inch Bore, from 1 l. 8 s. to 1 l. 10 s.
} per C. W.

Solder for Gutters, 1 s. per lb.

Lead

Lead Pipes.

Bore.		
	$\frac{3}{4}$ Inch, 1 s.	per running Foot.
	Inch, 1 s. 8 d.	
	Inch and $\frac{1}{2}$, 2 s.	
	2 Inches, 2 s 6 d.	
	2 Inches and $\frac{1}{2}$, 3 s.	

Jointing of Pipes, according to the Bore, from 2 s. to 4 s. per Joint.
Men's Labour, fixing and putting up, 2 s. 6 d. per Day.

PAINTERS WORK

Is measured by the square Yard, unless the following Articles.

CORNICES, ovella Mouldings, Base, Subbase, Skirting, Trunks and Gutters, running Measure.

Pediments, Sash and Frame outside, scroll Pedestals to Iron Palisadoes, Iron Bars to Kitchen Windows, and carved Cartouches to Stair Cases, by the Piece.

Measure your Sashes by the same Method as in Carpentry; and in Handrails and Bannisters of Stairs, observe to measure both Sides as in Palisades, i. e. wherever the Brush goes.

Prices of Painters Work, finding Materials.

Oil and Colour.

Linseed Oil, white, Oak and Chocolate Colour,——once 3 d.—twice 5 d.—thrice 7 d.
Statuary and dead white,—once 4 d.—twice 7 d —thrice 10 d.
Stone Colour or white on Walls,—once 4 d —twice 8 d.—thrice 10 d.—four Times 1 s.
Mahogany Colour, twice or thrice done, from 6 d. to 9 d.
Common blue or green, finished, from 10 d. to 1 s.
Green in Verdigrease, done flat on Walls, resembling Water Colour, so as to bear washing, finished in the best Manner, from 1 s. 9 d. to 2 s. 2 d.
Best Drop Lake done on Walls, finished in like Manner, from 2 s. 2 d. to 2 s. $8\frac{1}{2}$ d.
Plain Colour on Floors, thrice done, 10 d.
Figured Work on ditto,—ditto, from 2 s. to 2 s. 6 d.
} per Yard.

Cornices, dead white, according to Depth, from $2\frac{1}{2}$ d. to $5\frac{1}{2}$ d.
Ovella Mouldings, white, once done, 1 d.
Twice ditto, $1\frac{1}{2}$ d.
Thrice ditto, 2 d.
Base and Subbase, Mahogany or white, once done, from 1 d. to $1\frac{1}{2}$ d.
Twice done, from $1\frac{1}{2}$ d. to 2 d.
} per Foot.

Thrice

Thrice done, from 2 d. to 2½ d.
Single Skirting, black, twice or thrice done, from 1 d. to 1½ d.
Mahogany Colour ditto, the Plinth white, twice or thrice done, from 1½ d. to 2½ d.
Bede Moldings, white, blue, green, crimson, purple, violet, orange, or pompadore, finished 1½ d.
Trunks and Gutters, Lead Colour, once done, from 1 d. to 1½ d.
Twice done, from 2 d. to 2½ d.
Thrice done, from 2½ d. to 3 d.
} per Foot.

Pediments over Chimney Pieces, if carved, from 5 s. to 10 s.
Ditto plain, from 3 s. 6 d. to 4 s. 6 d.
Carved Cartouches to Stair Cases, from 1 d. to 1½ d.
Large Sash and Frame, outside, once done, 1 s.
Twice done, from 1 s. 6 d. to 1 s. 8 d.
Thrice done, from 2 s. 2 d. to 2 s. 6 d.
Middle size ditto, once done, from 8 d. to 10 d.
Twice done, from 1 s. 3 d. to 1 s. 4 d.
Thrice done, from 1 s. 10 d. to 2 s.
Small-size ditto, once done, 6 d.
Twice done, 10 d.
Thrice done, 1 s. 4 d.
Pediments over Doors or Windows, from 3 s. to 5 s.
Scroll Pedestals to Iron Palisades, finished, according to the Design, 1 s. 2 s. 3 s. and upwards.
Iron Bars to Kitchen Windows, according to the Colour, from 1 d. to 2 d.
} per Piece.

Water and Colour.

Distemper Colours, finished:

Stone, pearl or buff, 2 d.
Lemon, peach or bloom, 4 d.
Green or blue, 1 s. 4 d.
Ditto, per Paper-hanging Measure, 10 d.
} per Yard.

N. B. Allowance to be made to the Workmen for Mouldings.

PLASTERERS WORK

Is measured by the square Yard, unless the following Articles.

RUSTIC Work, by the superficial Foot.
Rendering on Roofs, by the Square of 100 Feet.
Plastering behind Skirting, by the running Foot.
Bedding and pointing of Sash Frames, by the Piece.
Note, where Doors or Windows have Architraves round them, they are deducted in Stuff, and where there are no Architraves, they are included for Workmanship only.

No

No Deduction is made for Joists in Cieling.

To find the Content of a Piece of Work in square Yards, see the Operation, (Page 2.)

Prices of Plasterers Work.

Rustic Work, finding Materials, 6d.—Workmanship only, 5d. per superficial Foot.

Rendering to Slates on Roof, finding Materials, 2s. 8½d.—Workmanship only, 16d. per Square.

Plastering behind Skirting, finding Materials, ½d.—Workmanship only, ¼d. per Foot.

Bedding and pointing of Sash Frames, finding Materials, 2s.—Workmanship only, 18d. per Piece.

	Finding Materials, d.	Workmanship only, d.	per Yard.
Plain Plastering on Stone Walls,	4½	2¼	
Ditto on Brick Walls,	4	2	
Floated Walls for Paper,	6	3	
Coated and floated Walls,	12	5	
Grey finishing on Walls,	12	5	
Plain Cielings and Partitions,	12	3	
Plain floated Cielings and Partitions,	14	5	
Coated and floated Cielings and Partitions,	16	6	
Coated and floated Cielings done with slating Laths,	18	6½	
Rendering between Joists to Boards,	6	2½	
Rendering on counter Boards between Joists,	3	1½	
Plastering on Ground Arches,	6	3½	
Common Ashler Plastering,	8	5	
Ashlers done in grey, finishing the Ground Work floated,	16	8	

Whitewashing, finding Materials.

At a Mean, from 6½d. to 1s. per Square of 100 Feet.

STUCCO WORK

Is measured by the running Foot, unless as follows: Festoons, Flowers, Foliage, Patera Medallions and Imbows, by the superficial Foot.

Prices of Stucco Work.

CORINTHIAN Entablature, fully enriched, 8s. finding Materials,——6s. 6d. Workmanship only,

Ditto, (Cornice only) fully enriched, 4s. 6d. finding Materials,—3s. 6d. Workmanship only,

Ionic Entablature, fully enriched, 6s. 6d. finding Materials,——5s. Workmanship only,

per running Foot.

Ionic

	Finding Materials. s.	Finding Materials. d.	Workmanship only. s.	Workmanship only. d.	per running Foot.
Ionic Entablature, (Cornice only) fully enriched,	3	0	2	4	
Doric Entablature, fully enriched, - -	7	0	5	6	
Ditto (Cornice) fully enriched, - -	3	0	2	6	
Enriched Mouldings, according to the Size or Workmanship, from 3 d. to 1 s. finding Materials,—from 2½ d. to 9 d. Workmanship only.					
Plain Mouldings under 6 Inches, - -	0	6	0	3	
Cornices from 6 to 8 Inches, - -	0	8	0	4	
——— from 8 to 10 ditto, - -	0	10	0	5	
——— from 10 to 12 ditto, - -	1	0	0	6	
——— from 12 to 14 ditto, - -	1	2	0	7	
Plain Mouldings on Walls or Cielings, -	0	6	0	5	
Ventruvian Scroll, ornamented, from 2 s. to 4 s. finding Materials,—from 1 s. 8 d. to 3 s. 6 d. Workmanship only, - - -					
Cove Cornice of the first Magnitude, completely ornamented and enriched, - -	5	0	4	0	
Cove Cornice, less Dimensions, - -	4	0	3	0	
Cove Cornice, a smaller Size, - -	3	6	2	8½	

Ornaments of Festoons, Flowers, Foliage, Patera Medallions, &c. large Imbows at a Mean, 3 s. 6 d. finding Materials,——3 s. Workmanship only, per superficial Foot.

Ditto, small Imbows, 3 s. finding Materials,—2 s. 6 d. Workmanship only, per superficial Foot.

N. B. Cielings of Stucco are, by the Piece, according to Agreement, Fancy, or Design.

PAPER-HANGING MEASURE.

HOW many Yards of Paper, 3 Feet by 1 Foot 8 Inches each Yard, doth that Room contain, whose Dimensions are 12 Feet in Height by 60 Feet in the 4 Angles?

RULE. Multiply the Number of Feet in the Angles, by the Number of Feet in Height, which, when divided by 5, will give the Content in Yards.

OPERATION.

Feet.
60 Angles.
12 Height.

5|720

12|144 Yards, or 12 Dozen.

PAVERS

PAVERS WORK

Is measured by the square Yard of 9 Feet.

PRICES, viz.

WORKMANSHIP only, from 2 d. to $2\frac{1}{2}$ d.
Repairing old Pavement, and finding Materials, from 5 d. to 6 d. } per Yard.
New Work, finding all Materials, from 10 d. to 1 s.

SINKING FOUNDATIONS

Is measured by the cubical Yard of 27 cubical Feet.

EXAMPLE.

A VAULT or Cellar 20 Feet long, 19 Feet 6 Inches broad, and 9 Feet 6 Inches deep, how many Yards of Digging contained therein?

RULE. Multiply Length by Breadth, and that Product by the Depth, (each in Feet and Inches) which last Product, divided by 27, gives the cubical Yards contained.

OPERATION.

```
Ft.  In.
 20   0 Length.
 19   6 Breadth.
 ---
380
 10
 ---
390
  9   6 Inches Depth
 ----
3510
 195
 -----
27|3705|137 Yds. 6 Feet.  Answer.
 -----
 100
 ---
  195
  ---
    6
  ---
```

The Price of digging, clearing and carrying away, (according to the Kind of Earth or Length of the Carriage) is, from 9 d. to 1 s. 2 d. per Yard.

TIMBER

TIMBER MEASURING.

FROM the many Difficulties which often arise between Buyers and Sellers, it may not be improper to make the following Observations, viz.

I. Bark of any Kind should not be included in the Girth, as it is not Timber.

II. Proper Allowance should be made for rotten Knots, Cup and Star Shakes, Dozes, Ingalls, Worm Holes, Hollows, forked and stubshud Ends, &c. but for Freight, or the like, it should be measured to the full.

III. In measuring large square Mahogany Logs, which is commonly done by taking Length, Breadth and Thickness, it would be more exact to girth the same, and allow for the Sap that is on the Wanes, after which reduce it into superficial Inch Feet, by which it is sold. This is a more certain and sure Method, as the other depends more upon guess Work; for a Measurer may be deceived by the large Wanes, if he is not very well experienced. Nor would it be an absurd Custom to introduce, that in large Mahogany there should be some Allowance made to the Buyer for the Kerf of the Saw.

IV. There should be a reasonable Allowance in all Kinds of Timber for Sap (if even sound) but where it is on the Decay, none of it should be measured.

V. In measuring Dantzick Oak Logs, which are generally flat, it is not proper to take one-fourth of the Circumference for the Girth, as the Content thereof is not in the Piece.

VI. In girthing of Timber, many will insist upon the Centre of the Piece to be the right Place; so it may, if it be regular in its Form; but if there be a Swell or Bulge in that Spot, the Measurer has Liberty to incline to the But, or take it in two or more Places, which has been an old Custom, and is only giving the Turn of the Scale to the Buyer.

There might be other Remarks made, but these are most material, and which I mention from twenty-nine Years Experience.

INSTRUCTIONS.

1728 cubical Inches one cubical Foot.
144 square Inches one square Foot.
50 Feet solid of round Timber one Tun.
40 Feet solid of square Timber one Tun.
1 cubical Yard twenty-seven cubical Feet.

Of Scantling.

Squares. Inches.	To a Tun ſolid.. Running Feet.		To a Foot ſolid. Running Feet.	
2	1440		36	
2 and 3	960		24	
2 and 4	720		18	
3	640		16	
3 and 4	480		12	
4	360		9	
4 and 5	288		7	2-10ths.
5	230	4-10ths.	5	76 Parts of 100.
5 and 6	192		4	8-10ths.
6	160		4	

A Table of ſuperficial Feet of different Thickneſs contained in a Foot and Tun ſolid, the Tun being 40 Feet ſolid.

To a Foot ſolid.		To a Tun ſolid.		Of what Thickneſs.
48		1920		$\frac{1}{4}$ of an Inch.
24		960		$\frac{1}{2}$ Inch.
16		640		$\frac{3}{4}$ Inch.
12		480		Inch.
9	6-10ths.	384		Inch and $\frac{1}{4}$
8		320		Inch and $\frac{1}{2}$
6		240		2 Inch.
4	8-10ths.	192		2 $\frac{1}{2}$ Inch.
4		160		3 Inch.
3	428 Parts of 1000.	137	1-7th.	3 $\frac{1}{2}$ Inch.
3		120		4 Inch.
2	4-10ths.	96		5 Inch.
2		80		6 Inch.
1	7-10ths.	68	4-7ths.	7 Inch.
1	5-10ths.	60		8 Inch.
1	1-3d.	53	1-3d.	9 Inch.
1	1-5th.	48		10 Inch.
1	1-11th.	43	7-11ths.	11 Inch.
1		40		12 Inch.

Solid (round or ſquare) Timber, where it is regular in it's Form.

Admit a Piece 20 ½ Feet long, by 10 ¼ Inches ſquare, (which is ¼ of the Line contained round the ſame) required the ſolid Content in Feet.

OPERATION.

RULE.

Multiply the Square by the Square in Inches, &c. and that Product by the Length in Feet, &c. which laſt Product divided by 144, gives the ſolid Feet required.—Divide the Remainder by 12, for Inches.

☞ Take Care to point off your Decimal Places.

Note, 25 is the Decimal of ¼.

5 is the Decimal of ½.

And 75 the Decimal of ¾ of any Thing.

```
        In. Pts.
        10.25 }
        10.25 } Square.
        ------
         51 25
        205 0
       10250
       -------
       10506 25
          20.5 Length.
       -------
        5253 12 5
      210125 00
      ---------
144)2153(78125)14 Feet.
    144
    ---
    713
    576
   -----
12)137( 11 Inches.
    132
   -----
      5 Twelfths.
```

Or 14 Feet ¾ ſolid, and ſo of any other.

In ſuperficial Meaſure.

Multiply the Length in Feet by the Breadth in Inches, which Product divide by 12, and you will have the ſuperficial (or ſquare) Feet required; the Remainder is Inches.

EXAMPLE. A Plank or Board 24½ Feet long, by 13 Inches broad, required the ſuperficial Feet.

OPERATION.

OPERATION.

```
   24½ Feet long.
   13  Inches broad.
   ---
   72
  246½
 -------
12)318½
 -------
```

Feet 26 6½ Inches superficial, and so of any other.

Unequal-sided Timber.

A Piece of Timber 26½ Feet long, 18½ Inches broad, and 14½ Inches thick, how many solid Feet?

OPERATION decimally.

RULE.

Multiply Breadth and Thickness together in Inches and Half Inches, and that Product by the Length in Feet, which when done divide by 144, cutting off so many decimal Figures as there are in the Operation, and the Content will appear in solid Feet; the Remainder divided by 12, gives Inches, &c.

```
        In. Pts.
         18.5 broad.
         14.5 thick.
         ----
         92 5
        740
       185
       -------
       2682 5
         26 5 Length
      ---------
      13412 5
     160950
     53650
     ----------Ft. In. 12ths.
144|710862 5|49  4  4 solid.
     576
     ----
     1348
     1296
     ----
     12 | 52|
     ----
Inch. 4  4-12ths, or 49¼ Feet solid.
```

Triangular

Triangular Timber.

A Piece of Timber whose Sides are triangular, viz. the Base 26 Inches, Perpendicular $17\frac{1}{2}$ Inches, and the Length 12 Feet, how many solid Feet contained?

RULE.

Multiply Base by Perpendicular in Inches, and $\frac{1}{2}$ that Product by the Length in Feet, which, when done, divide by 144, gives the Number of solid Feet contained. Divide the Remainder by 12, for the Inches.

OPERATION.

```
Inches.
  26   Bas.
  17½  Perpendicular.
  ----
  182
  26
   13
  ----
  455  Product
  ----
  227½ Half the Product.
   12  Length.
  ----      Ft.  In.  12ths. solid.
144|2730|    18   11   6 Ans.
   144
  ----
   1290
   1152
  ----
 12| 138|
  ----
    11 6
 or 18¾ Feet solid.
```

Mahogany and Marble.

A Mahogany Log or Marble Stone $25\frac{1}{2}$ Inches broad, 16 Inches deep, and $15\frac{1}{2}$ Feet long, how many superficial Inch Feet?

RULE. Multiply Breadth by Depth in Inches, and that Product by the Length in Feet, which last Product, divided by 12, gives the superficial Inch Feet required.

OPERATION.

OPERATION.

```
Inches.
25½ Breadth.
16  Depth.
-----
150
258
-----
408
 15½ Feet in Length.
-----
2040
408
 204
-----
12|6324|
-----
527 Superficial Inch Feet. Answer.
```

If you want to know the solid Feet contained, divide the superficial Inch Feet by 12, and the Quotient will be 43 Feet 11 Inches solid, or 43 Feet and ¾. So of any other.

Sawyers Work.

A Piece of Timber 34 Feet 6 Inches long, and 10 Cuts, making 13 Feet 4½ Inches in Line, how many Feet of Sawing doth it contain?

RULE. Multiply Length by Line in Feet and Inches, &c. gives the Product required.

OPERATION.

```
Ft. In.
34  6   Length.
13  4½  Line.
-------
102
346  6
 11  4
  1  5¼
     2
-------
Feet 461  5¼ of Sawing.
```

Circular Measure.

To find the Content of a Circle: Multiply half the Circumference, by half the Diameter, will give the square Inches.

A METHOD

A METHOD for those who deal in Wines, Spirits, Oils, Porter, &c. to find the Contents of their Casks without Difficulty.

Admit the Dimensions to be as follow:

		Inches.	Tenths.
Bung Diameter,	-	27	6
Head, -	-	24	0
Length, -	-	42	0

How many Gallons, *Irish* Measure?

RULE.

Subtract the Head from the Bung; multiply the Difference by 7-tenths.—To that Product add the lesser Number, which gives a main Diameter.—Square that Diameter, and its Product, divided by 277.05, the cubical Inches in a Gallon, will produce an Area, which, when multiplied by the Length of the Cask, the Content will appear in Gallons; taking Care to point off your Decimals.

OPERATION.

```
Inches. Tenths.
    27. 6 Bung Diameter.
    24. 0 Head.
    ------
     3. 6 } Difference multiplied
     . 7  }   by 7-tenths.
    ------
     2,5 2 } Product and lesser No.
    24     }   added together.
    ------
    26.52  } Main Diameter to be
    26.52  }   squared.
    ------
     53 04
    1326 0
   15912
   5304
   ------
Cub. Inches } 277.05)703.3104(————————2.53 Area.
in a Gallon }  554 10                     42 Inch length.
             ------                      ----
             149210                      5 06
             138525                     101 2
             ------                     ----
             106854          Gal. 106,26 Answer.
              83115                     ------
             ------
Fractions     23739 remaining undivided,
             ------
Or 106 Gallons and one Quart.
```

A TABLE

A

TABLE

OF

SOLID MEASURE.

Feet long	Inches Square. 3		3¼		3½		3¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	0	0	0	0	0	0	0
1½	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
2½	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1	0	1
3½	0	0	0	1	0	1	0	1
4	0	1	0	1	0	1	0	1
4½	0	1	0	1	0	1	0	1
5	0	1	0	1	0	1	0	1
5½	0	1	0	1	0	1	0	2
6	0	1	0	1	0	2	0	2
6½	0	1	0	1	0	2	0	2
7	0	1	0	2	0	2	0	2
7½	0	1	0	2	0	2	0	2
8	0	2	0	2	0	2	0	3
8½	0	2	0	2	0	2	0	3
9	0	2	0	2	0	3	0	3
9½	0	2	0	2	0	3	0	3
10	0	2	0	2	0	3	0	3
10½	0	2	0	3	0	3	1	0
11	0	2	0	3	0	3	1	0
11½	0	2	0	3	0	3	1	0
12	0	3	0	3	1	0	1	0
12½	0	3	0	3	1	0	1	0
13	0	3	0	3	1	0	1	1
13½	0	3	0	3	1	0	1	1
14	0	3	1	0	1	0	1	1
14½	0	3	1	0	1	0	1	1
15	0	3	1	0	1	1	1	1
15½	0	3	1	0	1	1	1	2
16	1	0	1	0	1	1	1	2
16½	1	0	1	0	1	1	1	2
17	1	0	1	0	1	1	1	2
17½	1	0	1	1	1	1	1	2
18	1	0	1	1	1	2	1	3
18½	1	0	1	1	1	2	1	3
19	1	0	1	1	1	2	1	3
19½	1	0	1	1	1	2	1	3
20	1	1	1	1	1	2	1	3
20½	1	1	1	2	1	2	2	0
21	1	1	1	2	1	3	2	0
21½	1	1	1	2	1	3	2	0
22.	1	1	1	2	1	3	2	0
22½	1	1	1	2	1	3	2	0
23	1	1	1	2	1	3	2	0
23½	1	1	1	2	1	3	2	1
24	1	2	1	3	2	0	2	1
24½	1	2	1	3	2	0	2	1
25	1	2	1	3	2	0	2	1
25½	1	2	1	3	2	0	2	1

Feet long	Inches Square. 3		3¼		3½		3¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	1	2	1	3	2	0	2	2
26½	1	2	1	3	2	1	2	2
27	1	2	1	3	2	1	2	2
27½	1	2	2	0	2	1	2	2
28	1	3	2	0	2	1	2	2
28½	1	3	2	0	2	1	2	3
29	1	3	2	0	2	1	2	3
29½	1	3	2	0	2	2	2	3
30	1	3	2	0	2	2	2	3
30½	1	3	2	0	2	2	2	3
31	1	3	2	1	2	2	3	0
31½	1	3	2	1	2	2	3	0
32	2	0	2	1	2	2	3	0
32½	2	0	2	1	2	3	3	0
33	2	0	2	1	2	3	3	0
33½	2	0	2	1	2	3	3	1
34	2	0	2	1	2	3	3	1
34½	2	0	2	2	2	3	3	1
35	2	0	2	2	2	3	3	1
35½	2	0	2	2	3	0	3	1
36	2	1	2	2	3	0	3	2
36½	2	1	2	2	3	0	3	2
37	2	1	2	2	3	0	3	2
37½	2	1	2	3	3	0	3	2
38	2	1	2	3	3	0	3	2
38½	2	1	2	3	3	1	3	3
39	2	1	2	3	3	1	3	3
39½	2	1	2	3	3	1	3	3
40	2	2	2	3	3	1	3	3
40½	2	2	2	3	3	1	3	3
41	2	2	3	0	3	1	4	0
41½	2	2	3	0	3	2	4	0
42	2	2	3	0	3	2	4	0
42½	2	2	3	0	3	2	4	0
43	2	2	3	0	3	2	4	0
43½	2	2	3	0	3	2	4	0
44	2	3	3	0	3	2	4	1
44½	2	3	3	1	3	3	4	1
45	2	3	3	1	3	3	4	1
45½	2	3	3	1	3	3	4	1
46	2	3	3	1	3	3	4	1
46½	2	3	3	1	3	3	4	2
47	2	3	3	1	3	3	4	2
47½	2	3	3	1	4	0	4	2
48	3	0	3	2	4	0	4	2
48½	3	0	3	2	4	0	4	2
49	3	0	3	2	4	0	4	3
49½	3	0	3	2	4	0	4	3
50	3	0	3	2	4	1	4	3

Feet long	Inches Square. 4		4¼		4½		4¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	0	0	0	0	0	0	0
1½	0	0	0	0	0	0	0	0
2	0	0	0	1	0	1	0	1
2½	0	1	0	1	0	1	0	1
3	0	1	0	1	0	1	0	1
3½	0	1	0	1	0	1	0	2
4	0	1	0	2	0	2	0	2
4½	0	2	0	2	0	2	0	2
5	0	2	0	2	0	2	0	3
5½	0	2	0	2	0	3	0	3
6	0	2	0	3	0	3	0	3
6½	0	2	0	3	0	3	1	0
7	0	3	0	3	0	3	1	0
7½	0	3	0	3	1	0	1	0
8	0	3	1	0	1	0	1	1
8½	0	3	1	0	1	0	1	1
9	1	0	1	0	1	1	1	1
9½	1	0	1	0	1	1	1	1
10	1	0	1	1	1	1	1	2
10½	1	0	1	1	1	1	1	2
11	1	0	1	1	1	2	1	2
11½	1	1	1	1	1	2	1	3
12	1	1	1	2	1	2	1	3
12½	1	1	1	2	1	3	1	3
13	1	1	1	2	1	3	2	0
13½	1	2	1	2	1	3	2	0
14	1	2	1	3	1	3	2	0
14½	1	2	1	3	2	0	2	1
15	1	2	1	3	2	0	2	1
15½	1	2	1	3	2	0	2	1
16	1	3	2	0	2	1	2	2
16½	1	3	2	0	2	1	2	2
17	1	3	2	0	2	1	2	2
17½	1	3	2	0	2	1	2	2
18	2	0	2	1	2	2	2	3
18½	2	0	2	1	2	2	2	3
19	2	0	2	1	2	2	2	3
19½	2	0	2	1	2	2	3	0
20	2	0	2	2	2	3	3	0
20½	2	1	2	2	2	3	3	0
21	2	1	2	2	2	3	3	1
21½	2	1	2	2	3	0	3	1
22	2	1	2	3	3	0	3	1
22½	2	2	2	3	3	0	3	2
23	2	2	2	3	3	0	3	2
23½	2	2	2	3	3	1	3	2
24	2	2	3	0	3	1	3	3
24½	2	2	3	0	3	1	3	3
25	2	3	3	0	3	2	3	3
25½	2	3	3	0	3	2	3	3

Feet long	Inches Square. 4		4¼		4½		4¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	2	3	3	1	3	2	4	0
26½	2	3	3	1	3	2	4	0
27	3	0	3	1	3	3	4	0
27½	3	0	3	1	3	3	4	1
28	3	0	3	2	3	3	4	1
28½	3	0	3	2	4	0	4	1
29	3	0	3	2	4	0	4	2
29½	3	1	3	2	4	0	4	2
30	3	1	3	3	4	0	4	2
30½	3	1	3	3	4	1	4	3
31	3	1	3	3	4	1	4	3
31½	3	2	3	3	4	1	4	3
32	3	2	4	0	4	2	5	0
32½	3	2	4	0	4	2	5	0
33	3	2	4	0	4	2	5	0
33½	3	2	4	0	4	2	5	0
34	3	3	4	1	4	3	5	1
34½	3	3	4	1	4	3	5	1
35	3	3	4	1	4	3	5	1
35½	3	3	4	1	4	3	5	2
36	4	0	4	2	5	0	5	2
36½	4	0	4	2	5	0	5	2
37	4	0	4	2	5	0	5	3
37½	4	0	4	2	5	1	5	3
38	4	0	4	3	5	1	5	3
38½	4	1	4	3	5	1	6	0
39	4	1	4	3	5	1	6	0
39½	4	1	4	3	5	2	6	0
40	4	1	5	0	5	2	6	1
40½	4	2	5	0	5	2	6	1
41	4	2	5	0	5	3	6	1
41½	4	2	5	0	5	3	6	2
42	4	2	5	1	5	3	6	2
42½	4	2	5	1	5	3	6	2
43	4	3	5	1	6	0	6	2
43½	4	3	5	1	6	0	6	3
44	4	3	5	2	6	0	6	3
44½	4	3	5	2	6	1	6	3
45	5	0	5	2	6	1	7	0
45½	5	0	5	2	6	1	7	0
46	5	0	5	3	6	1	7	0
46½	5	0	5	3	6	2	7	1
47	5	0	5	3	6	2	7	1
47½	5	1	5	3	6	2	7	1
48	5	1	6	0	6	3	7	2
48½	5	1	6	0	6	3	7	2
49	5	1	6	0	6	3	7	2
49½	5	2	6	0	6	3	7	3
50	5	2	6	1	7	0	7	3

Feet long	Inches Square. 5		5¼		5½		5¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	0	0	0	0	0	0	0
1½	0	1	0	1	0	1	0	1
2	0	1	0	1	0	1	0	1
2½	0	1	0	1	0	2	0	2
3	0	2	0	2	0	2	0	2
3½	0	2	0	2	0	2	0	3
4	0	2	0	3	0	3	0	3
4½	0	3	0	3	0	3	1	0
5	0	3	0	3	1	0	1	0
5½	0	3	1	0	1	0	1	1
6	1	0	1	0	1	1	1	1
6½	1	0	1	0	1	1	1	1
7	1	0	1	1	1	1	1	2
7½	1	1	1	1	1	2	1	2
8	1	1	1	2	1	2	1	3
8½	1	1	1	2	1	3	1	3
9	1	2	1	2	1	3	2	0
9½	1	2	1	3	1	3	2	0
10	1	2	1	3	2	0	2	1
10½	1	3	2	0	2	0	2	1
11	1	3	2	0	2	1	2	2
11½	1	3	2	0	2	1	2	2
12	2	0	2	1	2	2	2	3
12½	2	0	2	1	2	2	2	3
13	2	1	2	1	2	2	2	3
13½	2	1	2	2	2	3	3	0
14	2	1	2	2	2	3	3	0
14½	2	2	2	3	3	0	3	1
15	2	2	2	3	3	0	3	1
15½	2	2	2	3	3	1	3	2
16	2	3	3	0	3	1	3	2
16½	2	3	3	0	3	1	3	3
17	2	3	3	1	3	2	3	3
17½	3	0	3	1	3	2	4	0
18	3	0	3	1	3	3	4	0
18½	3	0	3	2	3	3	4	0
19	3	1	3	2	3	3	4	1
19½	3	1	3	2	4	0	4	1
20	3	1	3	3	4	0	4	2
20½	3	2	3	3	4	1	4	2
21	3	2	4	0	4	1	4	3
21½	3	2	4	0	4	2	4	3
22	3	3	4	0	4	2	5	0
22½	3	3	4	1	4	2	5	0
23	3	3	4	1	4	3	5	1
23½	4	0	4	1	4	3	5	1
24	4	0	4	2	5	0	5	2
24½	4	1	4	2	5	0	5	2
25	4	1	4	3	5	1	5	2
25½	4	1	4	3	5	1	5	3

Feet long	Inches Square. 5		5¼		5½		5¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	4	2	4	3	5	1	5	3
26½	4	2	5	0	5	2	6	0
27	4	2	5	0	5	2	6	0
27½	4	3	5	1	5	3	6	1
28	4	3	5	1	5	3	6	1
28½	4	3	5	1	5	3	6	2
29	5	0	5	2	6	0	6	2
29½	5	0	5	2	6	0	6	3
30	5	0	5	2	6	1	6	3
30½	5	1	5	3	6	1	7	0
31	5	1	5	3	6	2	7	0
31½	5	1	6	0	6	2	7	0
32	5	2	6	0	6	2	7	1
32½	5	2	6	0	6	3	7	1
33	5	2	6	1	6	3	7	2
33½	5	3	6	1	7	0	7	2
34	5	3	6	2	7	0	7	3
34½	5	3	6	2	7	0	7	3
35	6	0	6	2	7	1	8	0
35½	6	0	6	3	7	1	8	0
36	6	1	6	3	7	2	8	1
36½	6	1	6	3	7	2	8	1
37	6	1	7	0	7	3	8	1
37½	6	2	7	0	7	3	8	2
38	6	2	7	1	7	3	8	2
38½	6	2	7	1	8	0	8	3
39	6	3	7	1	8	0	8	3
39½	6	3	7	2	8	1	9	0
40	6	3	7	2	8	1	9	0
40½	7	0	7	3	8	2	9	1
41	7	0	7	3	8	2	9	1
41½	7	0	7	3	8	2	9	2
42	7	1	8	0	8	3	9	2
42½	7	1	8	0	8	3	9	3
43	7	1	8	0	9	0	9	3
43½	7	2	8	1	9	0	9	3
44	7	2	8	1	9	0	10	0
44½	7	2	8	2	9	1	10	0
45	7	3	8	2	9	1	10	1
45½	7	3	8	2	9	2	10	1
46	7	3	8	3	9	2	10	2
46½	8	0	8	3	9	3	10	2
47	8	0	8	3	9	3	10	3
47½	8	0	9	0	9	3	10	3
48	8	1	9	0	10	0	11	0
48½	8	1	9	1	10	0	11	0
49	8	2	9	1	10	1	11	1
49½	8	2	9	1	10	1	11	1
50	8	2	9	2	10	2	11	1

Feet long	Inches Square. 6		6¼		6½		6¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	1	0	1	0	1	0	1
1½	0	1	0	1	0	1	0	1
2	0	2	0	2	0	2	0	2
2½	0	2	0	2	0	2	0	3
3	0	3	0	3	0	3	0	3
3½	0	3	0	3	1	0	1	0
4	1	0	1	0	1	0	1	1
4½	1	0	1	0	1	1	1	1
5	1	1	1	1	1	1	1	2
5½	1	1	1	1	1	2	1	2
6	1	2	1	2	1	3	1	3
6½	1	2	1	3	1	3	2	0
7	1	3	1	3	2	0	2	0
7½	1	3	2	0	2	0	2	1
8	2	0	2	0	2	1	2	2
8½	2	0	2	1	2	1	2	2
9	2	1	2	1	2	2	2	3
9½	2	1	2	2	2	3	3	0
10	2	2	2	2	2	3	3	0
10½	2	2	2	3	3	0	3	1
11	2	3	2	3	3	0	3	1
11½	2	3	3	0	3	1	3	2
12	3	0	3	1	3	2	3	3
12½	3	0	3	1	3	2	3	3
13	3	1	3	2	3	3	4	0
13½	3	1	3	2	3	3	4	1
14	3	2	3	3	4	0	4	1
14½	3	2	3	3	4	1	4	2
15	3	3	4	0	4	1	4	2
15½	3	3	4	0	4	2	4	3
16	4	0	4	1	4	2	5	0
16½	4	0	4	1	4	3	5	0
17	4	1	4	2	4	3	5	1
17½	4	1	4	2	5	0	5	2
18	4	2	4	3	5	1	5	2
18½	4	2	5	0	5	1	5	3
19	4	3	5	0	5	2	6	0
19½	4	3	5	1	5	2	6	0
20	5	0	5	1	5	3	6	1
20½	5	0	5	2	6	0	6	1
21	5	1	5	2	6	0	6	2
21½	5	1	5	3	6	1	6	3
22	5	2	5	3	6	1	6	3
22½	5	2	6	0	6	2	7	0
23	5	3	6	0	6	2	7	1
23½	5	3	6	1	6	3	7	1
24	6	0	6	2	7	0	7	2
24½	6	0	6	2	7	0	7	3
25	6	1	6	3	7	1	7	3
25½	6	1	6	3	7	1	8	0

Feet long	Inches Square. 6		6¼		6½		6¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	6	2	7	0	7	2	8	0
26½	6	2	7	0	7	3	8	1
27	6	3	7	1	7	3	8	2
27½	6	3	7	1	8	0	8	2
28	7	0	7	2	8	0	8	3
28½	7	0	7	2	8	1	9	0
29	7	1	7	3	8	2	9	0
29½	7	1	8	0	8	2	9	1
30	7	2	8	0	8	3	9	1
30½	7	2	8	1	8	3	9	2
31	7	3	8	1	9	0	9	3
31½	7	3	8	2	9	0	9	3
32	8	0	8	2	9	1	10	0
32½	8	0	8	3	9	2	10	1
33	8	1	8	3	9	2	10	1
33½	8	1	9	0	9	3	10	2
34	8	2	9	0	9	3	10	3
34½	8	2	9	1	10	0	10	3
35	8	3	9	1	10	1	11	0
35½	8	3	9	2	10	1	11	0
36	9	0	9	3	10	2	11	1
36½	9	0	9	3	10	2	11	2
37	9	1	10	0	10	3	11	2
37½	9	1	10	0	11	0	11	3
38	9	2	10	1	11	0	12	0
38½	9	2	10	1	11	1	12	0
39	9	3	10	2	11	1	12	1
39½	9	3	10	2	11	2	12	1
40	10	0	10	3	11	2	12	2
40½	10	0	10	3	11	3	12	3
41	10	1	11	0	12	0	12	3
41½	10	1	11	1	12	0	13	0
42	10	2	11	1	12	1	13	1
42½	10	2	11	2	12	1	13	1
43	10	3	11	2	12	2	13	2
43½	10	3	11	3	12	3	13	3
44	11	0	11	3	12	3	13	3
44½	11	0	12	0	13	0	14	0
45	11	1	12	0	13	0	14	0
45½	11	1	12	1	13	1	14	1
46	11	2	12	1	13	1	14	2
46½	11	2	12	2	13	2	14	2
47	11	3	12	2	13	3	14	3
47½	11	3	12	3	13	3	15	0
48	12	0	13	0	14	0	15	0
48½	12	0	13	0	14	0	15	1
49	12	1	13	1	14	1	15	2
49½	12	1	13	1	14	2	15	2
50	12	2	13	2	14	2	15	3

Feet long	Inches Square. 7		7¼		7½		7¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	1	0	1	0	1	0	1
1½	0	2	0	2	0	2	0	2
2	0	2	0	2	0	3	0	3
2½	0	3	0	3	0	3	1	0
3	1	0	1	0	1	0	1	1
3½	1	0	1	1	1	1	1	1
4	1	1	1	1	1	2	1	2
4½	1	2	1	2	1	3	1	3
5	1	2	1	3	1	3	2	0
5½	1	3	2	0	2	0	2	1
6	2	0	2	0	2	1	2	2
6½	2	0	2	1	2	2	2	2
7	2	1	2	2	2	2	2	3
7½	2	2	2	2	2	3	3	0
8	2	2	2	3	3	0	3	1
8½	2	3	3	0	3	1	3	2
9	3	0	3	1	3	2	3	3
9½	3	0	3	1	3	2	3	3
10	3	1	3	2	3	3	4	0
10½	3	2	3	3	4	0	4	1
11	3	2	4	0	4	1	4	2
11½	3	3	4	0	4	1	4	3
12	4	0	4	1	4	2	5	0
12½	4	1	4	2	4	3	5	0
13	4	1	4	2	5	0	5	1
13½	4	2	4	3	5	1	5	2
14	4	3	5	0	5	1	5	3
14½	4	3	5	1	5	2	6	0
15	5	0	5	1	5	3	6	1
15½	5	1	5	2	6	0	6	1
16	5	1	5	3	6	1	6	2
16½	5	2	6	0	6	1	6	3
17	5	3	6	0	6	2	7	0
17½	5	3	6	1	6	3	7	1
18	6	0	6	2	7	0	7	2
18½	6	1	6	3	7	0	7	2
19	6	1	6	3	7	1	7	3
19½	6	2	7	0	7	2	8	0
20	6	3	7	1	7	3	8	1
20½	6	3	7	1	8	0	8	2
21	7	0	7	2	8	0	8	3
21½	7	1	7	3	8	1	8	3
22	7	1	8	0	8	2	9	0
22½	7	2	8	0	8	3	9	1
23	7	3	8	1	8	3	9	2
23½	7	3	8	2	9	0	9	3
24	8	0	8	3	9	1	10	0
24½	8	1	8	3	9	2	10	0
25	8	2	9	0	9	3	10	1
25½	8	2	9	1	9	3	10	2

Feet long	Inches Square. 7		7¼		7½		7¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	8	3	9	1	10	0	10	3
26½	9	0	9	2	10	1	11	0
27	9	0	9	3	10	2	11	1
27½	9	1	10	0	10	2	11	1
28	9	2	10	0	10	3	11	2
28½	9	2	10	1	11	0	11	3
29	9	3	10	2	11	1	12	0
29½	10	0	10	3	11	2	12	1
30	10	0	10	3	11	2	12	2
30½	10	1	11	0	11	3	12	2
31	10	2	11	1	12	0	12	3
31½	10	2	11	1	12	1	13	0
32	10	3	11	2	12	2	13	1
32½	11	0	11	3	12	2	13	2
33	11	0	12	0	12	3	13	3
33½	11	1	12	0	13	0	13	3
34	11	2	12	1	13	1	14	0
34½	11	2	12	2	13	1	14	1
35	11	3	12	3	13	2	14	2
35½	12	0	12	3	13	3	14	3
36	12	1	13	0	14	0	15	0
36½	12	1	13	1	14	1	15	0
37	12	2	13	2	14	1	15	1
37½	12	3	13	2	14	2	15	2
38	12	3	13	3	14	3	15	3
38½	13	0	14	0	15	0	16	0
39	13	1	14	0	15	0	16	1
39½	13	1	14	1	15	1	16	1
40	13	2	14	2	15	2	16	2
40½	13	3	14	3	15	3	16	3
41	13	3	14	3	16	0	17	0
41½	14	0	15	0	16	0	17	1
42	14	1	15	1	16	1	17	2
42½	14	1	15	2	16	2	17	2
43	14	2	15	2	16	3	17	3
43½	14	3	15	3	16	3	18	0
44	14	3	16	0	17	0	18	1
44½	15	0	16	0	17	1	18	2
45	15	1	16	1	17	2	18	3
45½	15	1	16	2	17	3	18	3
46	15	2	16	3	17	3	19	0
46½	15	3	16	3	18	0	19	1
47	15	3	17	0	18	1	19	2
47½	16	0	17	1	18	2	19	3
48	16	1	17	2	18	3	20	0
48½	16	2	17	2	18	3	20	0
49	16	2	17	3	19	0	20	1
49½	16	3	18	0	19	1	20	2
50	17	0	18	1	19	2	20	3

Feet long	Inches Square. 8		8¼		8½		8¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	1	0	1	0	2	0	2
1½	0	1	0	2	0	3	0	3
2	0	3	0	3	1	0	1	0
2½	1	0	1	0	1	1	1	1
3	1	1	1	1	1	2	1	2
3½	1	2	1	2	1	3	1	3
4	1	3	1	3	2	0	2	0
4½	2	0	2	0	2	1	2	1
5	2	0	2	1	2	2	2	2
5½	2	1	2	2	2	3	2	3
6	2	2	2	3	3	0	3	0
6½	2	3	3	0	3	1	3	1
7	3	0	3	1	3	2	3	2
7½	3	1	3	2	3	3	3	3
8	3	2	3	3	4	0	4	1
8½	3	3	4	0	4	1	4	1
9	4	0	4	1	4	2	4	3
9½	4	0	4	1	4	3	5	0
10	4	1	4	2	5	0	5	1
10½	4	2	4	3	5	1	5	2
11	4	3	5	0	5	2	5	3
11½	5	0	5	1	5	3	6	0
12	5	1	5	2	6	0	6	1
12½	5	2	5	3	6	1	6	2
13	5	3	6	0	6	2	6	3
13½	6	0	6	1	6	3	7	0
14	6	0	6	2	7	0	7	1
14½	6	1	6	3	7	1	7	2
15	6	2	7	0	7	2	7	3
15½	6	3	7	1	7	3	8	0
16	7	0	7	2	8	0	8	2
16½	7	1	7	3	8	1	8	3
17	7	2	8	0	8	2	9	0
17½	7	3	8	1	8	3	9	1
18	8	0	8	2	9	0	9	2
18½	8	0	8	2	9	1	9	3
19	8	1	8	3	9	2	10	0
19½	8	2	9	0	9	3	10	1
20	8	3	9	1	10	0	10	2
20½	9	0	9	2	10	1	10	3
21	9	1	9	3	10	2	11	0
21½	9	2	10	0	10	3	11	1
22	9	3	10	1	11	0	11	2
22½	10	0	10	2	11	1	11	3
23	10	0	10	3	11	2	12	0
23½	10	1	11	0	11	3	12	1
24	10	2	11	1	12	0	12	3
24½	10	3	11	2	12	1	13	0
25	11	0	11	3	12	2	13	1
25½	11	1	12	0	12	3	13	2

Feet long	Inches Square. 8		8¼		8½		8¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	11	2	12	1	13	0	13	3
26½	11	3	12	2	13	1	14	0
27	12	0	12	3	13	2	14	1
27½	12	0	12	3	13	3	14	2
28	12	1	13	0	14	0	14	3
28½	12	2	13	1	14	1	15	0
29	12	3	13	2	14	2	15	1
29½	13	0	13	3	14	3	15	2
30	13	1	14	0	15	0	15	3
30½	13	2	14	1	15	1	16	0
31	13	3	14	2	15	2	16	1
31½	14	0	14	3	15	3	16	2
32	14	0	15	0	16	0	17	0
32½	14	1	15	1	16	1	17	1
33	14	2	15	2	16	2	17	2
33½	14	3	15	3	16	3	17	3
34	15	0	16	0	17	0	18	0
34½	15	1	16	1	17	1	18	1
35	15	2	16	2	17	2	18	2
35½	15	3	16	3	17	3	18	3
36	16	0	17	0	18	0	19	0
36½	16	0	17	1	18	1	19	1
37	16	1	17	1	18	2	19	2
37½	16	2	17	2	18	3	19	3
38	16	3	17	3	19	0	20	0
38½	17	0	18	0	19	1	20	1
39	17	1	18	1	19	2	20	2
39½	17	2	18	2	19	3	20	3
40	17	3	18	3	20	0	21	1
40½	18	0	19	0	20	1	21	2
41	18	0	19	1	20	2	21	3
41½	18	1	19	2	20	3	22	0
42	18	2	19	3	21	0	22	1
42½	18	3	20	0	21	1	22	2
43	19	0	20	1	21	2	22	3
43½	19	1	20	2	21	3	23	0
44	19	2	20	3	22	0	23	1
44½	19	3	21	0	22	1	23	2
45	20	0	21	1	22	2	23	3
45½	20	0	21	2	22	3	24	0
46	20	1	21	2	23	0	24	1
46½	20	2	21	3	23	1	24	2
47	20	3	22	0	23	2	24	3
47½	21	0	22	1	23	3	25	1
48	21	1	22	2	24	0	25	2
48½	21	2	22	3	24	1	25	3
49	21	3	23	0	24	2	26	0
49½	22	0	23	1	24	3	26	1
50	22	0	23	2	25	0	26	2

Feet long	Inches Square. 9		9¼		9½		9¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	2	0	2	0	2	0	2
1½	0	3	0	3	0	3	0	3
2	1	0	1	0	1	1	1	1
2½	1	1	1	1	1	2	1	2
3	1	2	1	3	1	3	1	3
3½	1	3	2	0	2	0	2	0
4	2	1	2	1	2	2	2	2
4½	2	2	2	2	2	3	2	3
5	2	3	2	3	3	0	3	1
5½	3	0	3	0	3	1	3	2
6	3	1	3	2	3	3	3	3
6½	3	2	3	3	4	0	4	1
7	3	3	4	0	4	1	4	2
7½	4	0	4	1	4	2	4	3
8	4	2	4	3	5	0	5	1
8½	4	3	5	0	5	1	5	2
9	5	0	5	1	5	2	5	3
9½	5	1	5	2	5	3	6	1
10	5	2	5	3	6	1	6	2
10½	5	3	6	0	6	2	6	3
11	6	0	6	2	6	3	7	1
11½	6	1	6	3	7	0	7	2
12	6	3	7	0	7	2	7	3
12½	7	0	7	1	7	3	8	1
13	7	1	7	2	8	0	8	2
13½	7	2	8	0	8	1	8	3
14	7	3	8	1	8	3	9	0
14½	8	0	8	2	9	0	9	2
15	8	1	8	3	9	1	9	3
15½	8	2	9	0	9	2	10	0
16	9	0	9	2	10	0	10	2
16½	9	1	9	3	10	1	10	3
17	9	2	10	0	10	2	11	0
17½	9	3	10	1	10	3	11	2
18	10	0	10	2	11	1	11	3
18½	10	1	10	3	11	2	12	0
19	10	2	11	1	11	3	12	2
19½	10	3	11	2	12	0	12	3
20	11	1	11	3	12	2	13	0
20½	11	2	12	0	12	3	13	2
21	11	3	12	1	13	0	13	3
21½	12	0	12	3	13	1	14	0
22	12	1	13	0	13	3	14	2
22½	12	2	13	1	14	0	14	3
23	12	3	13	2	14	1	15	0
23½	13	0	13	3	14	2	15	2
24	13	2	14	1	15	0	15	3
24½	13	3	14	2	15	1	16	0
25	14	0	14	3	15	2	16	2
25½	14	1	15	0	15	3	16	3

Feet long	Inches Square. 9		9¼		9½		9¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	14	2	15	1	16	1	17	0
26½	14	3	15	2	16	2	17	1
27	15	0	16	0	16	3	17	3
27½	15	1	16	1	17	0	18	0
28	15	3	16	2	17	2	18	1
28½	16	0	16	3	17	3	18	3
29	16	1	17	0	18	0	19	0
29½	16	2	17	2	18	1	19	1
30	16	3	17	3	18	3	19	3
30½	17	0	18	0	19	0	20	0
31	17	1	18	1	19	1	20	1
31½	17	2	18	2	19	2	20	3
32	18	0	19	0	20	0	21	0
32½	18	1	19	1	20	1	21	1
33	18	2	19	2	20	2	21	3
33½	18	3	19	3	20	3	22	0
34	19	0	20	0	21	1	22	1
34½	19	1	20	1	21	2	22	3
35	19	2	20	3	21	3	23	0
35½	19	3	21	0	22	0	23	1
36	20	1	21	1	22	2	23	3
36½	20	2	21	2	22	3	24	0
37	20	3	21	3	23	0	24	1
37½	21	0	22	1	23	2	24	3
38	21	1	22	2	23	3	25	0
38½	21	2	22	3	24	0	25	1
39	21	3	23	0	24	1	25	2
39½	22	0	23	1	24	3	26	0
40	22	2	23	3	25	0	26	1
40½	22	3	24	0	25	1	26	2
41	23	0	24	1	25	2	27	0
41½	23	1	24	2	26	0	27	1
42	23	2	24	3	26	1	27	2
42½	23	3	25	1	26	2	28	0
43	24	0	25	2	26	3	28	1
43½	24	1	25	3	27	1	28	2
44	24	3	26	0	27	2	29	0
44½	25	0	26	1	27	3	29	1
45	25	1	26	2	28	0	29	2
45½	25	2	27	0	28	2	30	0
46	25	3	27	1	28	3	30	1
46½	26	0	27	2	29	0	30	2
47	26	1	27	3	29	1	31	0
47½	26	2	28	0	29	3	31	1
48	27	0	28	2	30	0	31	2
48½	27	1	28	3	30	1	32	0
49	27	2	29	0	30	2	32	1
49½	27	3	29	1	31	0	32	2
50	28	0	29	2	31	1	33	0

Feet long	Inches Square. 10		10¼		10½		10¾	
	F.	Q.	F.	Q	F.	Q	F.	Q.
1	0	2	0	2	0	3	0	3
1½	1	0	1	0	1	0	1	0
2	1	1	1	1	1	2	1	2
2½	1	2	1	3	1	3	2	0
3	2	0	2	0	2	1	2	1
3½	2	1	2	2	2	2	2	3
4	2	3	2	3	3	0	3	0
4½	3	0	3	1	3	1	3	2
5	3	1	3	2	3	3	4	0
5½	3	3	4	0	4	0	4	1
6	4	0	4	1	4	2	4	3
6½	4	2	4	2	4	3	5	0
7	4	3	5	0	5	1	5	2
7½	5	0	5	1	5	2	6	0
8	5	2	5	3	6	0	6	1
8½	5	3	6	0	6	2	6	3
9	6	1	6	2	6	3	7	0
9½	6	2	6	3	7	1	7	2
10	6	3	7	1	7	2	8	0
10½	7	1	7	2	8	0	8	1
11	7	2	8	0	8	1	8	3
11½	7	3	8	1	8	3	9	0
12	8	1	8	3	9	0	9	2
12½	8	2	9	0	9	2	10	0
13	9	0	9	1	9	3	10	1
13½	9	1	9	3	10	1	10	3
14	9	2	10	0	10	2	11	0
14½	10	0	10	2	11	0	11	2
15	10	1	10	3	11	1	12	0
15½	10	3	11	1	11	3	12	1
16	11	0	11	2	12	1	12	3
16½	11	1	12	0	12	2	13	0
17	11	3	12	1	13	0	13	2
17½	12	0	12	3	13	1	14	0
18	12	2	13	0	13	3	14	1
18½	12	3	13	1	14	0	14	3
19	13	0	13	3	14	2	15	0
19½	13	2	14	0	14	3	15	2
20	13	3	14	2	15	1	16	0
20½	14	0	14	3	15	2	16	1
21	14	2	15	1	16	0	16	3
21½	14	3	15	2	16	1	17	1
22	15	1	16	0	16	3	17	2
22½	15	2	16	1	17	0	18	0
23	15	3	16	3	17	2	18	1
23½	16	1	17	0	17	3	18	3
24	16	2	17	2	18	1	19	1
24½	17	0	17	3	18	3	19	2
25	17	1	18	0	19	0	20	0
25½	17	2	18	2	19	2	20	1

Feet long	Inches Square 10		10¼		10½		10¾	
	F	Q.	F.	Q.	F.	Q.	F.	Q.
26	18	0	18	3	19	3	20	3
26½	18	1	19	1	20	1	21	1
27	18	3	19	2	20	2	21	2
27½	19	0	20	0	21	0	22	0
28	19	1	20	1	21	1	22	1
28½	19	3	20	3	21	3	22	3
29	20	0	21	0	22	0	23	1
29½	20	1	21	2	22	2	23	2
30	20	3	21	3	22	3	24	0
30½	21	0	22	1	23	1	24	1
31	21	2	22	2	23	2	24	3
31½	21	3	22	3	24	0	25	1
32	22	0	23	1	24	2	25	2
32½	22	2	23	2	24	3	26	0
33	22	3	24	0	25	1	26	1
33½	23	1	24	1	25	2	26	3
34	23	2	24	3	26	0	27	1
34½	23	3	25	0	26	1	27	2
35	24	1	25	2	26	3	28	0
35½	24	2	25	3	27	0	28	1
36	25	0	26	1	27	2	28	3
36½	25	1	26	2	27	3	29	1
37	25	2	26	3	28	1	29	2
37½	26	0	27	1	28	2	30	0
38	26	1	27	2	29	0	30	1
38½	26	2	28	0	29	1	30	3
39	27	0	28	1	29	3	31	1
39½	27	1	28	3	30	0	31	2
40	27	3	29	0	30	2	32	0
40½	28	0	29	2	31	0	32	2
41	28	1	29	3	31	1	32	3
41½	28	3	30	1	31	3	33	1
42	29	0	30	2	32	0	33	2
42½	29	2	31	0	32	2	34	0
43	29	3	31	1	32	3	34	2
43½	30	0	31	2	33	1	34	3
44	30	2	32	0	33	2	35	1
44½	30	3	32	1	34	0	35	2
45	31	1	32	3	34	1	36	0
45½	31	2	33	0	34	3	36	2
46	31	3	33	2	35	0	36	3
46½	32	1	33	3	35	2	37	1
47	32	2	34	1	35	3	37	2
47½	32	3	34	2	36	1	38	0
48	33	1	35	0	36	3	38	2
48½	33	2	35	1	37	0	38	3
49	34	0	35	3	37	2	39	1
49½	34	1	36	0	37	3	39	2
50	34	2	36	1	38	1	40	0

Feet long	Inches Square. 11		11¼		11½		11¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	0	3	0	3	0	3	0	3
1½	1	1	1	1	1	1	1	1
2	1	2	1	3	1	3	1	3
2½	2	0	2	0	2	1	2	1
3	2	2	2	2	2	3	2	3
3½	2	3	3	0	3	0	3	1
4	3	1	3	2	3	2	3	3
4½	3	3	3	3	4	0	4	1
5	4	0	4	1	4	2	4	3
5½	4	2	4	3	5	0	5	1
6	5	0	5	1	5	2	5	3
6½	5	1	5	2	5	3	6	0
7	5	3	6	0	6	1	6	2
7½	6	1	6	2	6	3	7	0
8	6	2	7	0	7	1	7	2
8½	7	0	7	1	7	3	8	0
9	7	2	7	3	8	1	8	2
9½	7	3	8	1	8	2	9	0
10	8	1	8	3	9	0	9	2
10½	8	3	9	0	9	2	10	0
11	9	0	9	2	10	0	10	2
11½	9	2	10	0	10	2	11	0
12	10	0	10	2	11	0	11	2
12½	10	2	10	3	11	1	11	3
13	10	3	11	1	11	3	12	1
13½	11	1	11	3	12	1	12	3
14	11	3	12	1	12	3	13	1
14½	12	0	12	2	13	1	13	3
15	12	2	13	0	13	3	14	1
15½	13	0	13	2	14	0	14	3
16	13	1	14	0	14	2	15	1
16½	13	3	14	2	15	0	15	3
17	14	1	14	3	15	2	16	1
17½	14	2	15	1	16	0	16	3
18	15	0	15	3	16	2	17	1
18½	15	2	16	1	16	3	17	2
19	15	3	16	2	17	1	18	0
19½	16	1	17	0	17	3	18	2
20	16	3	17	2	18	1	19	0
20½	17	0	18	0	18	3	19	2
21	17	2	18	1	19	1	20	0
21½	18	0	18	3	19	2	20	2
22	18	1	19	1	20	0	21	0
22½	18	3	19	3	20	2	21	2
23	19	1	20	0	21	0	22	0
23½	19	2	20	2	21	2	22	2
24	20	0	21	0	22	0	23	0
24½	20	2	21	2	22	2	23	1
25	21	0	21	3	22	3	23	3
25½	21	1	22	1	23	1	24	1

Feet long	Inches Square. 11		11¼		11½		11¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	21	3	22	3	23	3	24	3
26½	22	1	23	1	24	1	25	1
27	22	2	23	2	24	3	25	3
27½	23	0	24	0	25	1	26	1
28	23	2	24	2	25	2	26	3
28½	23	3	25	0	26	0	27	1
29	24	1	25	1	26	2	27	3
29½	24	3	25	3	27	0	28	1
30	25	0	26	1	27	2	28	3
30½	25	2	26	3	28	0	29	0
31	26	0	27	0	28	1	29	2
31½	26	1	27	2	28	3	30	0
32	26	3	28	0	29	1	30	2
32½	27	1	28	2	29	3	31	0
33	27	2	29	0	30	1	31	2
33½	28	0	29	1	30	3	32	0
34	28	2	29	3	31	0	32	2
34½	28	3	30	1	31	2	33	0
35	29	1	30	3	32	0	33	2
35½	29	3	31	0	32	2	34	0
36	30	1	31	2	33	0	34	2
36½	30	2	32	0	33	2	34	3
37	31	0	32	2	33	3	35	1
37½	31	2	32	3	34	1	35	3
38	31	3	33	1	34	3	36	1
38½	32	1	33	3	35	1	36	3
39	32	3	34	1	35	3	37	1
39½	33	0	34	2	36	1	37	3
40	33	1	35	0	36	2	38	1
40½	34	0	35	2	37	0	38	3
41	34	1	36	0	37	2	39	1
41½	34	3	36	1	38	0	39	3
42	35	1	36	3	38	2	40	1
42½	35	2	37	1	39	0	40	2
43	36	0	37	3	39	1	41	0
43½	36	2	38	0	39	3	41	2
44	36	3	38	2	40	1	42	0
44½	37	1	39	0	40	3	42	2
45	37	3	39	2	41	1	43	0
45½	38	0	39	3	41	3	43	2
46	38	2	40	1	42	0	44	0
46½	39	0	40	3	42	2	44	2
47	39	1	41	1	43	0	45	0
47½	39	3	41	2	43	2	45	2
48	40	1	42	0	44	0	46	0
48½	40	3	42	2	44	2	46	2
49	41	0	43	0	44	3	46	3
49½	41	2	43	2	45	1	47	1
50	42	0	43	3	45	3	47	3

Feet long	Inches Square. 12		12¼		12½		12¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	1	0	1	0	1	0	1	0
1½	1	2	1	2	1	2	1	2
2	2	0	2	0	2	0	2	1
2½	2	2	2	2	2	2	2	3
3	3	0	3	0	3	1	3	1
3½	3	2	3	2	3	3	3	3
4	4	0	4	0	4	1	4	2
4½	4	2	4	2	4	3	5	0
5	5	0	5	0	5	1	5	2
5½	5	2	5	2	5	3	6	0
6	6	0	6	1	6	2	6	3
6½	6	2	6	3	7	0	7	1
7	7	0	7	1	7	2	7	3
7½	7	2	7	3	8	0	8	1
8	8	0	8	1	8	2	9	0
8½	8	2	8	3	9	0	9	2
9	9	0	9	1	9	3	10	0
9½	9	2	9	3	10	1	10	2
10	10	0	10	1	10	3	11	1
10½	10	2	10	3	11	1	11	3
11	11	0	11	1	11	3	12	1
11½	11	2	11	3	12	1	12	3
12	12	0	12	2	13	0	13	2
12½	12	2	13	0	13	2	14	0
13	13	0	13	2	14	0	14	2
13½	13	2	14	0	14	2	15	0
14	14	0	14	2	15	0	15	3
14½	14	2	15	0	15	2	16	1
15	15	0	15	2	16	1	16	3
15½	15	2	16	0	16	3	17	1
16	16	0	16	2	17	1	18	0
16½	16	2	17	0	17	3	18	2
17	17	0	17	2	18	1	19	0
17½	17	2	18	0	18	3	19	3
18	18	0	18	3	19	2	20	1
18½	18	2	19	1	20	0	20	3
19	19	0	19	3	20	2	21	1
19½	19	2	20	1	21	0	22	0
20	20	0	20	3	21	2	22	2
20½	20	2	21	1	22	0	23	0
21	21	0	21	3	22	3	23	2
21½	21	2	22	1	23	1	24	1
22	22	0	22	3	23	3	24	3
22½	22	2	23	1	24	1	25	1
23	23	0	23	3	24	3	25	3
23½	23	2	24	1	25	1	26	2
24	24	0	25	0	26	0	27	0
24½	24	2	25	2	26	2	27	2
25	25	0	26	0	27	0	28	0
25½	25	2	26	2	27	2	28	3

Feet long	Inches Square 12		12¼		12½		12¾	
	F.	Q.	F.	Q.	F	Q	F.	Q.
26	26	0	27	0	28	0	29	1
26½	26	2	27	2	28	3	29	3
27	27	0	28	0	29	1	30	1
27½	27	2	28	2	29	3	31	0
28	28	0	29	0	30	1	31	2
28½	28	2	29	2	30	3	32	0
29	29	0	30	0	31	1	32	2
29½	29	2	30	2	32	0	33	1
30	30	0	31	1	32	2	33	3
30½	30	2	31	3	33	0	34	1
31	31	0	32	1	33	2	34	3
31½	31	2	32	3	34	0	35	2
32	32	0	33	1	34	2	36	0
32½	32	2	33	3	35	1	36	2
33	33	0	34	1	35	3	37	1
33½	33	2	34	3	36	1	37	3
34	34	0	35	1	36	3	38	1
34½	34	2	35	3	37	1	38	3
35	35	0	36	1	37	3	39	2
35½	35	2	36	3	38	2	40	0
36	36	0	37	2	39	0	40	2
36½	36	2	38	0	39	2	41	0
37	37	0	38	2	40	0	41	3
37½	37	2	39	0	40	2	42	1
38	38	0	39	2	41	0	42	3
38½	38	2	40	0	41	3	43	1
39	39	0	40	2	42	1	44	0
39½	39	2	41	0	42	3	44	2
40	40	0	41	2	43	1	45	0
40½	40	2	42	0	43	3	45	2
41	41	0	42	2	44	1	46	1
41½	41	2	43	0	45	0	46	3
42	42	0	43	3	45	2	47	1
42½	42	2	44	1	46	0	47	3
43	43	0	44	3	46	2	48	2
43½	43	2	45	1	47	0	49	0
44	44	0	45	3	47	2	49	2
44½	44	2	46	1	48	1	50	0
45	45	0	46	3	48	3	50	3
45½	45	2	47	1	49	1	51	1
46	46	0	47	3	49	3	51	3
46½	46	2	48	1	50	1	52	1
47	47	0	48	3	50	3	53	0
47½	47	2	49	1	51	2	53	2
48	48	0	50	0	52	0	54	0
48½	48	2	50	2	52	2	54	3
49	49	0	51	0	53	0	55	1
49½	49	2	51	2	53	2	55	3
50	50	0	52	0	54	1	56	1

Feet long	Inches Square 13		13¼		13½		13¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	1	0	1	0	1	1	1	1
1½	1	3	1	3	1	3	1	3
2	2	1	2	1	2	2	2	2
2½	2	3	3	0	3	0	3	1
3	3	2	3	2	3	3	3	3
3½	4	0	4	1	4	1	4	2
4	4	2	4	3	5	0	5	1
4½	5	1	5	1	5	2	5	3
5	5	3	6	0	6	1	6	2
5½	6	1	6	2	6	3	7	0
6	7	0	7	1	7	2	7	3
6½	7	2	7	3	8	0	8	2
7	8	0	8	2	8	3	9	0
7½	8	3	9	0	9	1	9	3
8	9	1	9	3	10	0	10	2
8½	9	3	10	1	10	3	11	0
9	10	2	10	3	11	1	11	3
9½	11	0	11	2	12	0	12	1
10	11	2	12	0	12	2	13	0
10½	12	1	12	3	13	1	13	3
11	12	3	13	1	13	3	14	1
11½	13	1	14	0	14	2	15	0
12	14	0	14	2	15	0	15	3
12½	14	2	15	0	15	3	16	1
13	15	1	15	3	16	1	17	0
13½	15	3	16	1	17	0	17	2
14	16	1	17	0	17	2	18	1
14½	17	0	17	2	18	1	19	0
15	17	2	18	1	18	3	19	2
15½	18	0	18	3	19	2	20	1
16	18	3	19	2	20	1	21	0
16½	19	1	20	0	20	3	21	2
17	19	3	20	2	21	2	22	1
17½	20	2	21	1	22	0	22	3
18	21	0	21	3	22	3	23	2
18½	21	2	22	2	23	1	24	1
19	22	1	23	0	24	0	24	3
19½	22	3	23	3	24	2	25	2
20	23	1	24	1	25	1	26	1
20½	24	0	24	3	25	3	26	3
21	24	2	25	2	26	2	27	2
21½	25	0	26	0	27	0	28	0
22	25	3	26	3	27	3	28	3
22½	26	1	27	1	28	1	29	2
23	26	3	28	0	29	0	30	0
23½	27	2	28	2	29	2	30	3
24	28	0	29	1	30	1	31	2
24½	28	3	29	3	31	0	32	0
25	29	1	30	1	31	2	32	3
25½	29	3	31	0	32	1	33	1

Feet long	Inches Square. 13		13¼		13½		13¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	30	2	31	2	32	3	34	0
26½	31	0	32	1	33	2	34	3
27	31	2	32	3	34	0	35	1
27½	32	1	33	2	34	3	36	0
28	32	3	34	0	35	1	36	3
28½	33	1	34	2	36	0	37	1
29	34	0	35	1	36	2	38	0
29½	34	2	35	3	37	1	38	2
30	35	0	36	2	37	3	39	1
30½	35	3	37	0	38	2	40	0
31	36	1	37	3	39	0	40	2
31½	36	3	38	1	39	3	41	1
32	37	2	39	0	40	2	42	0
32½	38	0	39	2	41	0	42	2
33	38	2	40	0	41	3	43	1
33½	39	1	40	3	42	1	43	3
34	39	3	41	1	43	0	44	2
34½	40	1	42	0	43	2	45	1
35	41	0	42	2	44	1	45	3
35½	41	2	43	1	44	3	46	2
36	42	1	43	3	45	2	47	1
36½	42	3	44	2	46	0	47	3
37	43	1	45	0	46	3	48	2
37½	44	0	45	2	47	1	49	0
38	44	2	46	1	48	0	49	3
38½	45	0	46	3	48	2	50	2
39	45	3	47	2	49	1	51	0
39½	46	1	48	0	49	3	51	3
40	46	3	48	3	50	2	52	2
40½	47	2	49	1	51	1	53	0
41	48	0	49	3	51	3	53	3
41½	48	2	50	2	52	2	54	1
42	49	1	51	0	53	0	55	0
42½	49	3	51	3	53	3	55	3
43	50	1	52	1	54	1	56	1
43½	51	0	53	0	55	0	57	0
44	51	2	53	2	55	2	57	3
44½	52	0	54	1	56	1	58	1
45	52	3	54	3	56	3	59	0
45½	53	1	55	1	57	2	59	2
46	53	3	56	0	58	0	60	1
46½	54	2	56	2	58	3	61	0
47	55	0	57	1	59	1	61	2
47½	55	2	57	3	60	0	62	1
48	56	1	58	2	60	3	63	0
48½	56	3	59	0	61	1	63	2
49	57	2	59	2	62	0	64	1
49½	58	0	60	1	62	2	64	3
50	58	2	60	3	63	1	65	2

Feet long	Inches Square. 14		14¼		14½		14¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	1	1	1	1	1	1	1	2
1½	2	0	2	0	2	0	2	1
2	2	2	2	3	2	3	3	0
2½	3	1	3	2	3	2	3	3
3	4	0	4	0	4	1	4	2
3½	4	3	4	3	5	0	5	1
4	5	1	5	2	5	3	6	0
4½	6	0	6	1	6	2	6	3
5	6	3	7	0	7	1	7	2
5½	7	1	7	3	8	0	8	1
6	8	0	8	1	8	3	9	0
6½	8	3	9	0	9	1	9	3
7	9	2	9	3	10	0	10	2
7½	10	0	10	2	10	3	11	1
8	10	3	11	1	11	2	12	0
8½	11	2	11	3	12	1	12	3
9	12	1	12	2	13	0	13	2
9½	12	3	13	1	13	3	14	1
10	13	2	14	0	14	2	15	0
10½	14	1	14	3	15	1	15	3
11	14	3	15	2	16	0	16	2
11½	15	2	16	0	16	3	17	1
12	16	1	16	3	17	2	18	0
12½	17	0	17	2	18	1	18	3
13	17	2	18	1	18	3	19	2
13½	18	1	19	0	19	2	20	1
14	19	0	19	2	20	2	21	0
14½	19	2	20	1	21	0	21	3
15	20	1	21	0	21	3	22	2
15½	21	0	21	3	22	2	23	1
16	21	3	22	2	23	1	24	0
16½	22	1	23	1	24	0	24	3
17	23	0	23	3	24	3	25	2
17½	23	3	24	2	25	2	26	1
18	24	2	25	1	26	1	27	0
18½	25	0	26	0	27	0	27	3
19	25	3	26	3	27	2	28	2
19½	26	2	27	1	28	1	29	1
20	27	0	28	0	29	0	30	0
20½	27	3	28	3	29	3	30	3
21	28	2	29	2	30	2	31	2
21½	29	1	30	1	31	1	32	1
22	29	3	31	1	32	0	33	0
22½	30	2	31	2	32	3	33	3
23	31	1	32	1	33	2	34	2
23½	31	3	33	0	34	1	35	2
24	32	2	33	3	35	0	36	1
24½	33	1	34	2	35	3	37	0
25	34	0	35	1	36	2	37	3
25½	34	2	35	3	37	0	38	2

Feet long	Inches Square. 14		14¼		14½		14¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	35	1	36	2	37	3	39	1
26½	36	0	37	1	38	2	40	0
27	36	3	38	0	39	1	40	3
27½	37	1	38	3	40	0	41	2
28	38	0	39	1	40	3	42	1
28½	38	3	40	0	41	2	43	0
29	39	1	40	3	42	1	43	3
29½	40	0	41	2	43	0	44	2
30	40	3	42	1	43	3	45	1
30½	41	2	43	0	44	2	46	0
31	42	0	43	2	45	1	46	3
31½	42	3	44	1	45	3	47	2
32	43	2	45	0	46	2	48	1
32½	44	0	45	3	47	1	49	0
33	44	3	46	2	48	0	49	3
33½	45	2	47	0	48	3	50	2
34	46	1	47	3	49	2	51	1
34½	46	3	48	2	50	1	52	0
35	47	2	49	1	51	0	52	3
35½	48	1	50	0	51	3	53	2
36	49	0	50	3	52	2	54	1
36½	49	2	51	1	53	1	55	0
37	50	1	52	0	54	0	55	3
37½	51	0	52	3	54	3	56	2
38	51	2	53	2	55	1	57	1
38½	52	1	54	1	56	0	58	0
39	53	0	54	3	56	3	58	3
39½	53	3	55	2	57	2	59	2
40	54	1	56	1	58	1	60	1
40½	55	0	57	0	59	0	61	0
41	55	3	57	3	59	3	61	3
41½	56	1	58	2	60	2	62	2
42	57	0	59	0	61	1	63	1
42½	57	3	59	3	62	0	64	0
43	58	2	60	2	62	3	64	3
43½	59	0	61	1	63	2	65	2
44	59	3	62	0	64	0	66	1
44½	60	2	62	3	64	3	67	0
45	61	1	63	1	65	2	67	3
45½	61	3	64	0	66	1	68	2
46	62	2	64	3	67	0	69	1
46½	63	1	65	2	67	3	70	1
47	63	3	66	1	68	2	71	0
47½	64	2	66	3	69	1	71	3
48	65	1	67	2	70	0	72	2
48½	66	0	68	1	70	3	73	1
49	66	2	69	0	71	2	74	0
49½	67	1	69	3	72	1	74	3
50	68	0	70	2	73	0	75	2

Feet long	Inches Square. 15		15¼		15½		15¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	1	2	1	2	1	2	1	2
1½	2	1	2	1	2	2	2	2
2	3	0	3	0	3	1	3	1
2½	3	3	4	0	4	0	4	1
3	4	2	4	3	5	0	5	0
3½	5	1	5	2	5	3	6	0
4	6	1	6	1	6	2	6	3
4½	7	0	7	1	7	2	7	3
5	7	3	8	0	8	1	8	2
5½	8	2	8	3	9	0	9	1
6	9	1	9	2	10	0	10	1
6½	10	0	10	1	10	3	11	0
7	10	3	11	1	11	2	12	0
7½	11	2	12	0	12	2	12	3
8	12	2	12	3	13	1	13	3
8½	13	1	13	2	14	0	4	2
9	14	0	14	2	15	0	15	2
9½	14	3	15	1	15	3	16	1
10	15	2	16	0	16	2	17	0
10½	16	1	16	3	17	2	18	0
11	17	0	17	3	18	1	18	3
11½	17	3	18	2	19	0	19	3
12	18	3	19	1	20	0	20	2
12½	19	2	20	0	20	3	21	2
13	20	1	20	3	21	2	22	1
13½	21	0	21	3	22	2	23	1
14	21	3	22	2	23	1	24	0
14½	22	2	23	1	24	0	24	3
15	23	1	24	0	25	0	25	3
15½	24	0	25	0	25	3	26	2
16	25	0	25	3	26	2	27	2
16½	25	3	26	2	27	2	28	1
17	26	2	27	1	28	1	29	1
17½	27	1	28	1	29	0	30	0
18	28	0	29	0	30	0	31	0
18½	28	3	29	3	30	3	31	3
19	29	2	30	2	31	2	32	2
19½	30	1	31	1	32	2	33	2
20	31	1	32	1	33	1	34	1
20½	32	0	33	0	34	0	35	1
21	32	3	33	3	35	0	36	0
21½	33	2	34	2	35	3	37	0
22	34	1	35	2	36	2	37	3
22½	35	0	36	1	37	2	38	3
23	35	3	37	0	38	1	39	2
23½	36	2	37	3	39	0	40	1
24	37	2	8	3	40	0	41	1
24½	38	1	39	2	40	3	42	0
25	39	0	40	1	41	2	43	0
25½	39	3	41	0	42	2	43	3

Feet long	Inches Square. 15		15¼		15½		15¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	40	2	41	3	43	1	44	3
26½	41	1	42	3	44	0	45	2
27	42	0	43	2	45	0	46	2
27½	42	3	44	1	45	3	47	1
28	43	3	45	0	46	2	48	0
28½	44	2	46	0	47	2	49	0
29	45	1	46	3	48	1	49	3
29½	46	0	47	2	49	0	50	3
30	46	3	48	1	50	0	51	2
30½	47	2	49	1	50	3	52	2
31	48	1	50	0	51	2	53	1
31½	49	0	50	3	52	2	54	1
32	50	0	51	2	53	1	55	0
32½	50	3	52	1	54	0	55	3
33	51	2	53	1	55	0	56	3
33½	52	1	54	0	55	3	57	2
34	53	0	54	3	56	2	58	2
34½	53	3	55	2	57	2	59	1
35	54	2	56	2	58	1	60	1
35½	55	1	57	1	59	0	61	0
36	56	1	58	0	60	0	62	0
36½	57	0	58	3	60	3	62	3
37	57	3	59	3	61	2	63	2
37½	58	2	60	2	62	2	64	2
38	59	1	61	1	63	1	65	1
38½	60	0	62	0	64	0	66	1
39	60	3	62	3	65	0	67	0
39½	61	2	63	3	65	3	68	0
40	62	2	64	2	66	2	68	3
40½	63	1	65	1	67	2	69	3
41	64	0	66	0	68	1	70	2
41½	64	3	67	0	69	0	71	1
42	65	2	67	3	70	0	72	1
42½	66	1	68	2	70	3	73	0
43	67	0	69	1	71	2	74	0
43½	67	3	70	1	72	2	74	3
44	68	3	71	0	73	1	75	3
44½	69	2	71	3	74	0	76	2
45	70	1	72	2	75	0	77	2
45½	71	0	73	1	75	3	78	1
46	71	3	74	1	76	2	79	0
46½	72	2	75	0	77	2	80	0
47	73	1	75	3	78	1	80	3
47½	74	0	76	2	79	0	81	3
48	75	0	77	2	80	0	82	2
48½	75	3	78	1	80	3	83	2
49	76	2	79	0	81	3	84	1
49½	77	1	79	3	82	2	85	1
50	78	0	80	3	83	1	86	0

Feet long	Inches Square. 16		16¼		16½		16¾	
	F.	Q.	F.	Q	F.	Q.	F.	Q.
1	1	3	1	3	1	3	1	3
1½	2	2	2	3	2	3	2	3
2	3	2	3	2	3	3	3	3
2½	4	1	4	2	4	2	4	3
3	5	1	5	2	5	2	5	3
3½	6	0	6	1	6	2	6	3
4	7	0	7	1	7	2	7	3
4½	8	0	8	1	8	2	8	3
5	8	3	9	0	9	1	9	2
5½	9	3	10	0	10	1	10	2
6	10	2	11	0	11	1	11	2
6½	11	2	11	3	12	1	12	2
7	12	1	12	3	13	0	13	2
7½	13	1	13	3	14	0	14	2
8	14	0	14	2	15	0	15	2
8½	15	0	15	2	16	0	16	2
9	16	0	16	2	17	0	17	2
9½	16	3	17	1	17	3	18	2
10	17	3	18	1	18	3	19	1
10½	18	2	19	1	19	3	20	1
11	19	2	20	0	20	3	21	1
11½	20	1	21	0	21	2	22	1
12	21	1	22	0	22	2	23	1
12½	22	0	22	3	23	2	24	1
13	23	0	23	3	24	2	25	1
13½	24	0	24	3	25	2	26	1
14	24	3	25	2	26	1	27	1
14½	25	3	26	2	27	1	28	1
15	26	2	27	2	28	1	29	0
15½	27	2	28	1	29	1	30	0
16	28	1	29	1	30	1	31	0
16½	29	1	30	1	31	0	32	0
17	30	0	31	0	32	0	33	0
17½	31	0	32	0	33	0	34	0
18	32	0	33	0	34	0	35	0
18½	32	3	33	3	34	3	36	0
19	33	3	34	3	35	3	37	0
19½	34	2	35	3	36	3	37	3
20	35	2	36	2	37	3	38	3
20½	36	1	37	2	38	3	39	3
21	37	1	38	2	39	2	40	3
21½	38	0	39	1	40	2	41	3
22	39	0	40	1	41	2	42	3
22½	40	0	41	1	42	2	43	3
23	40	3	42	0	43	1	44	3
23½	41	3	43	0	44	1	45	3
24	42	2	44	0	45	1	46	3
24½	43	2	44	3	46	1	47	2
25	44	1	45	3	47	1	48	2
25½	45	1	46	3	48	0	49	2

Feet long	Inches Square. 16		16¼		16½		16¾	
	F.	Q.	F.	Q	F.	Q.	F.	Q.
26	46	0	47	2	49	0	50	2
26½	47	0	48	2	50	0	51	2
27	48	0	49	2	51	0	52	2
27½	48	3	50	1	51	3	53	2
28	49	3	51	1	52	3	54	2
28½	50	2	52	1	53	3	55	2
29	51	2	53	0	54	3	56	2
29½	52	1	54	0	55	3	57	1
30	53	1	55	0	56	2	58	1
30½	54	0	55	3	57	2	59	1
31	55	0	56	3	58	2	60	1
31½	56	0	57	3	59	2	61	1
32	56	3	58	2	60	2	62	1
32½	57	3	59	2	61	1	63	1
33	58	2	60	2	62	1	64	1
33½	59	2	61	1	63	1	65	1
34	60	1	62	1	64	1	66	0
34½	61	1	63	1	65	0	67	0
35	62	0	64	0	66	0	68	0
35½	63	0	65	0	67	0	69	0
36	64	0	66	0	68	0	70	0
36½	64	3	66	3	69	0	71	0
37	65	3	67	3	69	3	72	0
37½	66	2	68	3	70	3	73	0
38	67	2	69	2	71	3	74	0
38½	68	1	70	2	72	3	75	0
39	69	1	71	2	73	2	75	3
39½	70	0	72	1	74	2	76	3
40	71	0	73	1	75	2	77	3
40½	72	0	74	1	76	2	78	3
41	72	3	75	0	77	2	79	3
41½	73	3	76	0	78	1	80	3
42	74	2	77	0	79	1	81	3
42½	75	2	77	3	80	1	82	3
43	76	1	78	3	81	1	83	3
43½	77	1	79	3	82	0	84	3
44	78	0	80	2	83	0	85	2
44½	79	0	81	2	84	0	86	2
45	80	0	82	2	85	0	87	2
45½	80	3	83	1	86	0	88	2
46	81	3	84	1	86	3	89	2
46½	82	2	85	1	87	3	90	2
47	83	2	86	0	88	3	91	2
47½	84	1	87	0	89	3	92	2
48	85	1	88	0	90	3	93	2
48½	86	0	88	3	91	2	94	1
49	87	0	89	3	92	2	95	1
49½	88	0	90	3	93	2	96	1
50	88	3	91	2	94	2	97	1

Feet long	Inches Square.							
	17		17¼		17½		17¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	0	2	0	2	0	2	0
1½	3	0	3	0	3	0	3	1
2	4	0	4	0	4	1	4	1
2½	5	0	5	0	5	1	5	1
3	6	0	6	0	6	1	6	2
3½	7	0	7	0	7	1	7	2
4	8	0	8	1	8	2	8	3
4½	9	0	9	1	9	2	9	3
5	10	0	10	1	10	2	10	3
5½	11	0	11	1	11	2	12	0
6	12	0	12	1	12	3	13	0
6½	13	0	13	1	13	3	14	0
7	14	0	14	1	14	3	15	1
7½	15	0	15	1	15	3	16	1
8	16	0	16	2	17	0	17	2
8½	17	0	17	2	18	0	18	2
9	18	0	18	2	19	0	19	2
9½	19	0	19	2	20	0	20	3
10	20	0	20	2	21	1	21	3
10½	21	0	21	2	22	1	22	3
11	22	0	22	2	23	1	24	0
11½	23	0	23	3	24	1	25	0
12	24	0	24	3	25	2	26	1
12½	25	0	25	3	26	2	27	1
13	26	0	26	3	27	2	28	1
13½	27	0	27	3	28	2	29	2
14	28	0	28	3	29	3	30	2
14½	29	0	29	3	30	3	31	2
15	30	0	30	3	31	3	32	3
15½	31	0	32	0	32	3	33	3
16	32	0	33	0	34	0	35	0
16½	33	0	34	0	35	0	36	0
17	34	0	35	0	36	0	37	0
17½	35	0	36	0	37	0	38	1
18	36	0	37	0	38	1	39	1
18½	37	0	38	0	39	1	40	1
19	38	0	39	1	40	1	41	2
19½	39	0	40	1	41	1	42	2
20	40	0	41	1	42	2	43	3
20½	41	0	42	1	43	2	44	3
21	42	0	43	1	44	2	45	3
21½	43	0	44	1	45	2	47	0
22	44	0	45	1	46	3	48	0
22½	45	0	46	1	47	3	49	0
23	46	0	47	2	48	3	50	1
23½	47	0	48	2	49	3	51	1
24	48	0	49	2	51	0	52	2
24½	49	0	50	2	52	0	53	2
25	50	0	51	2	53	0	54	2
25½	51	0	52	2	54	0	55	3

Feet long	Inches Square.							
	17		17¼		17½		17¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	52	0	53	2	55	1	56	3
26½	53	0	54	3	56	1	57	3
27	54	0	55	3	57	1	59	0
27½	55	0	56	3	58	1	60	0
28	56	0	57	3	59	2	61	1
28½	57	0	58	3	60	2	62	1
29	58	0	59	3	61	2	63	1
29½	59	0	60	3	62	2	64	2
30	60	0	61	3	63	3	65	2
30½	61	0	63	0	64	3	66	2
31	62	0	64	0	65	3	67	3
31½	63	0	65	0	66	3	68	3
32	64	0	66	0	68	0	70	0
32½	65	0	67	0	69	0	71	0
33	66	0	68	0	70	0	72	0
33½	67	0	69	0	71	0	73	1
34	68	0	70	1	72	1	74	1
34½	69	0	71	1	73	1	75	1
35	70	0	72	1	74	1	76	2
35½	71	0	73	1	75	1	77	2
36	72	1	74	1	76	2	78	3
36½	73	1	75	1	77	2	79	3
37	74	1	76	1	78	2	80	3
37½	75	1	77	1	79	3	82	0
38	76	1	78	2	80	3	83	0
38½	77	1	79	2	81	3	84	0
39	78	1	80	2	82	3	85	1
39½	79	1	81	2	84	0	86	1
40	80	1	82	2	85	0	87	2
40½	81	1	83	2	86	0	88	2
41	82	1	84	2	87	0	89	2
41½	83	1	85	3	88	1	90	3
42	84	1	86	3	89	1	91	3
42½	85	1	87	3	90	1	92	3
43	86	1	88	3	91	1	94	0
43½	87	1	89	3	92	2	95	0
44	88	1	90	3	93	2	96	1
44½	89	1	91	3	94	2	97	1
45	90	1	92	3	95	2	98	1
45½	91	1	94	0	96	3	99	2
46	92	1	95	0	97	3	100	2
46½	93	1	96	0	98	3	101	2
47	94	1	97	0	99	3	102	3
47½	95	1	98	0	101	0	103	3
48	96	1	99	0	102	0	105	0
48½	97	1	100	0	103	0	106	0
49	98	1	101	1	104	0	107	0
49½	99	1	102	1	105	1	108	1
50	100	1	103	1	106	1	109	1

Feet long	Inches Square. 18		18¼		18½		18¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	1	2	1	2	1	2	1
1½	3	1	3	1	3	2	3	2
2	4	2	4	2	4	3	4	3
2½	5	2	5	3	5	3	6	0
3	6	3	6	3	7	0	7	1
3½	7	3	8	0	8	1	8	2
4	9	0	9	1	9	2	9	3
4½	10	0	10	1	10	2	10	3
5	11	1	11	2	11	3	12	0
5½	12	1	12	2	13	0	13	1
6	13	2	13	3	14	1	14	2
6½	14	2	15	0	15	1	15	3
7	15	3	16	0	16	2	17	0
7½	16	3	17	1	17	3	18	1
8	18	0	18	2	19	0	19	2
8½	19	0	19	2	20	0	20	3
9	20	1	20	3	21	1	21	3
9½	21	1	21	3	22	2	23	0
10	22	2	23	0	23	3	24	1
10½	23	2	24	1	24	3	25	2
11	24	3	25	1	26	0	26	3
11½	25	3	26	2	27	1	28	0
12	27	0	27	3	28	2	29	1
12½	28	0	28	3	29	2	30	2
13	29	1	30	0	30	3	31	2
13½	30	1	31	0	32	0	32	3
14	31	2	32	1	33	1	34	0
14½	32	2	33	2	34	1	35	1
15	33	3	34	2	35	2	36	2
15½	34	3	35	3	36	3	37	3
16	36	0	37	0	38	0	39	0
16½	37	0	38	0	39	0	40	1
17	38	1	39	1	40	1	41	2
17½	39	1	40	1	41	2	42	2
18	40	2	41	2	42	3	43	3
18½	41	2	42	3	43	3	45	0
19	42	3	43	3	45	0	46	1
19½	43	3	45	0	46	1	47	2
20	45	0	46	1	47	2	48	3
20½	46	0	47	1	48	2	50	0
21	47	1	48	2	49	3	51	1
21½	48	1	49	2	51	0	52	1
22	49	2	50	3	52	1	53	2
22½	50	2	52	0	53	1	54	3
23	51	3	53	0	54	2	56	0
23½	52	3	54	1	55	3	57	1
24	54	0	55	2	57	0	58	2
24½	55	0	56	2	58	0	59	3
25	56	1	57	3	59	1	61	0
25½	57	1	58	3	60	2	62	1

Feet long	Inches Square. 18		18¼		18½		18¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	58	2	60	0	61	3	63	1
26½	59	2	61	1	62	3	64	2
27	60	3	62	1	64	0	65	3
27½	61	3	63	2	65	1	67	0
28	63	0	64	3	66	2	68	1
28½	64	0	65	3	67	2	69	2
29	65	1	67	0	68	3	70	3
29½	66	1	68	0	70	0	72	0
30	67	2	69	1	71	1	73	0
30½	68	2	70	2	72	1	74	1
31	69	3	71	2	73	2	75	2
31½	70	3	72	3	74	3	76	3
32	72	0	74	0	76	0	78	0
32½	73	0	75	0	77	0	79	1
33	74	1	76	1	78	1	80	2
33½	75	1	77	1	79	2	81	3
34	76	2	78	2	80	3	83	0
34½	77	2	79	3	81	3	84	0
35	78	3	80	3	83	0	85	1
35½	79	3	82	0	84	1	86	2
36	81	0	83	1	85	2	87	3
36½	82	0	84	1	86	3	89	0
37	83	1	85	2	87	3	90	1
37½	84	1	86	2	89	0	91	2
38	85	2	87	3	90	1	92	3
38½	86	2	89	0	91	2	93	3
39	87	3	90	0	92	2	95	0
39½	88	3	91	1	93	3	96	1
40	90	0	92	2	95	0	97	2
40½	91	0	93	2	96	1	98	3
41	92	1	94	3	97	1	100	0
41½	93	1	95	3	98	2	101	1
42	94	2	97	0	99	3	102	2
42½	95	2	98	1	101	0	103	3
43	96	3	99	1	102	0	104	3
43½	97	3	100	2	103	1	106	0
44	99	0	101	3	104	2	107	1
44½	100	0	102	3	105	3	108	2
45	101	1	104	0	106	3	109	3
45½	102	1	105	0	108	0	111	0
46	103	2	106	1	109	1	112	1
46½	104	2	107	2	110	2	113	2
47	105	3	108	2	111	2	114	2
47½	106	3	109	3	112	3	115	3
48	108	0	111	0	114	0	117	0
48½	109	0	112	0	115	1	118	1
49	110	1	113	1	116	1	119	2
49½	111	1	114	1	117	2	120	3
50	112	2	115	2	118	3	122	0

Feet long	Inches Square. 19		19¼		19½		19¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	2	2	2	2	2	2	2
1½	3	3	3	3	3	3	4	0
2	5	0	5	0	5	1	5	1
2½	6	1	6	1	6	2	6	3
3	7	2	7	2	7	3	8	0
3½	8	3	9	0	9	0	9	1
4	10	0	10	1	10	2	10	3
4½	11	1	11	2	11	3	12	0
5	12	2	12	3	13	0	13	2
5½	13	3	14	0	14	2	14	3
6	15	0	15	1	15	3	16	1
6½	16	1	16	2	17	0	17	2
7	17	2	18	0	18	1	18	3
7½	18	3	19	1	19	3	20	1
8	20	0	20	2	21	0	21	2
8½	21	1	21	3	22	1	23	0
9	22	2	23	0	23	3	24	1
9½	23	3	24	1	25	0	25	2
10	25	0	25	2	26	1	27	0
10½	26	1	27	0	27	2	28	1
11	27	2	28	1	29	0	29	3
11½	28	3	29	2	30	1	31	0
12	30	0	30	3	31	2	32	2
12½	31	1	32	0	33	0	33	3
13	32	2	33	1	34	1	35	0
13½	33	3	34	2	35	2	36	2
14	35	0	36	0	36	3	37	3
14½	36	1	37	1	38	1	39	1
15	37	2	38	2	39	2	40	2
15½	38	3	39	3	40	3	41	3
16	40	0	41	0	42	1	43	1
16½	41	1	42	1	43	2	44	2
17	42	2	43	2	44	3	46	0
17½	43	3	45	0	46	0	47	1
18	45	0	46	1	47	2	48	3
18½	46	1	47	2	48	3	50	0
19	47	2	48	3	50	0	51	1
19½	48	3	50	0	51	1	52	3
20	50	0	51	1	52	3	54	0
20½	51	1	52	3	54	0	55	2
21	52	2	54	0	55	1	56	3
21½	53	3	55	1	56	3	58	0
22	55	0	56	2	58	0	59	2
22½	56	1	57	3	59	1	60	3
23	57	2	59	0	60	2	62	1
23½	58	3	60	1	62	0	63	2
24	60	0	61	3	63	1	65	0
24½	61	1	63	0	64	2	66	1
25	62	2	64	1	66	0	67	2
25½	63	3	65	2	67	1	69	0

Feet long	Inches Square. 19		19¼		19½		19¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	65	0	66	3	68	2	70	1
26½	66	1	68	0	69	3	71	3
27	67	2	69	1	71	1	73	0
27½	68	3	70	3	72	2	74	1
28	70	0	72	0	73	3	75	3
28½	71	1	73	1	75	1	77	0
29	72	2	74	2	76	2	78	2
29½	73	3	75	3	77	3	79	3
30	75	0	77	0	79	0	81	1
30½	76	1	78	1	80	2	82	2
31	77	2	79	3	81	3	83	3
31½	78	3	81	0	83	0	85	1
32	80	0	82	1	84	2	86	2
32½	81	1	83	2	85	3	88	0
33	82	2	84	3	87	0	89	1
33½	83	3	86	0	88	1	90	2
34	85	0	87	1	89	3	92	2
34½	86	1	88	3	91	0	93	1
35	87	2	90	0	92	1	94	3
35½	88	3	91	1	93	2	96	0
36	90	1	92	2	95	0	97	2
36½	91	2	93	3	96	1	98	3
37	92	3	95	0	97	2	100	0
37½	94	0	96	2	99	0	101	2
38	95	1	97	3	100	1	102	3
38½	96	2	99	0	101	2	104	1
39	97	3	100	1	102	3	105	2
39½	99	0	101	2	104	1	106	3
40	100	1	102	3	105	2	108	1
40½	101	2	104	0	106	3	109	2
41	102	3	105	2	108	1	111	0
41½	104	0	106	3	109	2	112	1
42	105	1	108	0	110	3	113	3
42½	106	2	109	1	112	0	115	0
43	107	3	110	2	113	2	116	1
43½	109	0	111	3	114	3	117	3
44	110	1	113	0	116	0	119	0
44½	111	2	114	2	117	2	120	2
45	112	3	115	3	118	3	121	3
45½	114	0	117	0	120	0	123	0
46	115	1	118	1	121	1	124	2
46½	116	2	119	2	122	3	125	3
47	117	3	120	3	124	0	127	1
47½	119	0	122	0	125	1	128	2
48	120	1	123	2	126	3	130	0
48½	121	2	124	3	128	0	131	1
49	122	3	126	0	129	1	132	2
49½	124	0	127	1	130	2	134	0
50	125	1	128	2	132	0	135	1

Feet long	Inches Square. 20		20¼		20½		20¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	3	2	3	2	3	2	3
1½	4	0	4	1	4	1	4	1
2	5	2	5	2	5	3	5	3
2½	6	3	7	0	7	1	7	1
3	8	1	8	2	8	3	8	3
3½	9	2	9	3	10	0	10	1
4	11	0	11	1	11	2	11	3
4½	12	2	12	3	13	0	13	1
5	13	3	14	0	14	2	14	3
5½	15	1	15	2	16	0	16	1
6	16	2	17	0	17	2	17	3
6½	18	0	18	2	18	3	19	1
7	19	1	19	3	20	1	20	3
7½	20	3	21	1	21	3	22	1
8	22	0	22	3	23	1	23	3
8½	23	2	24	0	24	3	25	1
9	25	0	25	2	26	1	26	3
9½	26	1	27	0	27	2	28	1
10	27	3	28	1	29	0	29	3
10½	29	0	29	3	30	2	31	1
11	30	2	31	1	32	0	32	3
11½	31	3	32	2	33	2	34	1
12	33	1	34	0	35	0	35	3
12½	34	2	35	2	36	1	37	1
13	36	0	37	0	37	3	38	3
13½	37	2	38	1	39	1	40	1
14	38	3	39	3	40	3	41	3
14½	40	1	41	1	42	1	43	1
15	41	2	42	2	43	3	44	3
15½	43	0	44	0	45	0	46	1
16	44	1	45	2	46	2	47	3
16½	45	3	46	3	48	0	49	1
17	47	0	48	1	49	2	50	3
17½	48	2	49	3	51	0	52	1
18	50	0	51	1	52	2	53	3
18½	51	1	52	2	53	3	55	1
19	52	3	54	0	55	1	56	3
19½	54	0	55	2	56	3	58	1
20	55	2	56	3	58	1	59	3
20½	56	3	58	1	59	3	61	1
21	58	1	59	3	61	1	62	3
21½	59	2	61	0	62	2	64	1
22	61	0	62	2	64	0	65	3
22½	62	2	64	0	65	2	67	1
23	63	3	65	1	67	0	68	3
23½	65	1	66	3	68	2	70	1
24	66	2	68	1	70	0	71	3
24½	68	0	69	3	71	2	73	1
25	69	1	71	0	72	3	74	3
25½	70	3	72	2	74	1	76	0

Feet long	Inches Square. 20		20¼		20½		20¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	72	0	74	0	75	3	77	2
26½	73	2	75	1	77	1	79	0
27	75	0	76	3	78	3	80	2
27½	76	1	78	1	80	1	82	0
28	77	3	79	2	81	2	83	2
28½	79	0	81	0	83	0	85	0
29	80	2	82	2	84	2	86	2
29½	81	3	84	0	86	0	88	0
30	83	1	85	1	87	2	89	2
30½	84	2	86	3	89	0	91	0
31	86	0	88	1	90	1	92	2
31½	87	2	89	2	91	3	94	0
32	88	3	91	0	93	1	95	2
32½	90	1	92	2	94	3	97	0
33	91	2	93	3	96	1	98	2
33½	93	0	95	1	97	3	100	0
34	94	1	96	3	99	0	101	2
34½	95	3	98	0	100	2	103	0
35	97	0	99	2	102	0	104	2
35½	98	2	101	0	103	2	106	0
36	100	0	102	2	105	0	107	2
36½	101	1	103	3	106	2	109	0
37	102	3	105	1	107	3	110	2
37½	104	0	106	3	109	1	112	0
38	105	2	108	0	110	3	113	2
38½	106	3	109	2	112	1	115	0
39	108	1	111	0	113	3	116	2
39½	109	2	112	1	115	1	118	0
40	111	0	113	3	116	2	119	2
40½	112	2	115	1	118	0	121	0
41	113	3	116	3	119	2	122	2
41½	115	1	118	0	121	0	124	0
42	116	2	119	2	122	2	125	2
42½	118	0	121	0	124	0	127	0
43	119	1	122	1	125	1	128	2
43½	120	3	123	3	126	3	130	0
44	122	0	125	1	128	1	131	2
44½	123	2	126	2	129	3	133	0
45	125	0	128	0	131	1	134	2
45½	126	1	129	2	132	3	136	0
46	127	3	130	3	134	0	137	2
46½	129	0	132	1	135	2	139	0
47	130	2	133	3	137	0	140	2
47½	131	3	135	1	138	2	142	0
48	133	1	136	2	140	0	143	2
48½	134	2	138	0	141	2	145	0
49	136	0	139	2	143	0	146	2
49½	137	2	140	3	144	1	148	0
50	138	3	142	1	145	3	149	2

Feet long	Inches Square. 21		21¼		21½		21¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	3	0	3	0	3	0	3	1
1½	4	2	4	2	4	3	4	3
2	6	0	6	1	6	1	6	2
2½	7	2	7	3	8	0	8	0
3	9	0	9	1	9	2	9	3
3½	10	2	10	3	11	0	11	1
4	12	1	12	2	12	3	13	0
4½	13	3	14	0	14	1	14	3
5	15	1	15	2	16	0	16	1
5½	16	3	17	0	17	2	18	0
6	18	1	18	3	19	1	19	2
6½	19	3	20	1	20	3	21	1
7	21	1	21	3	22	1	22	3
7½	22	3	23	2	24	0	24	2
8	24	2	25	0	25	2	26	1
8½	26	0	26	2	27	1	27	3
9	27	2	28	0	28	3	29	2
9½	29	0	29	3	30	1	31	0
10	30	2	31	1	32	0	32	3
10½	32	0	32	3	33	2	34	1
11	33	2	34	1	35	1	36	0
11½	35	0	36	0	36	3	37	3
12	36	3	37	2	38	2	39	1
12½	38	1	39	0	40	0	41	0
13	39	3	40	3	41	2	42	2
13½	41	1	42	1	43	1	44	1
14	42	3	43	3	44	3	45	3
14½	44	1	45	1	46	2	47	2
15	45	3	47	0	48	0	49	1
15½	47	1	48	2	49	3	50	3
16	49	0	50	0	51	1	52	2
16½	50	2	51	2	52	3	54	0
17	52	0	53	1	54	2	55	3
17½	53	2	54	3	56	0	57	1
18	55	0	56	1	57	3	59	0
18½	56	2	58	0	59	1	60	3
19	58	0	59	2	60	3	62	1
19½	59	2	61	0	62	2	64	0
20	61	1	62	2	64	0	65	2
20½	62	3	64	1	65	3	67	1
21	64	1	65	3	67	1	68	3
21½	65	3	67	1	69	0	70	2
22	67	1	68	3	70	2	72	1
22½	68	3	70	2	72	0	73	3
23	70	1	72	0	73	3	75	2
23½	71	3	73	2	75	1	77	0
24	73	2	75	1	77	0	78	3
24½	75	0	76	3	78	2	80	1
25	76	2	78	1	80	1	82	0
25½	78	0	79	3	81	3	83	3

Feet long	Inches Square. 21		21¼		21½		21¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	79	2	81	2	83	1	85	1
26½	81	0	83	0	85	0	87	0
27	82	2	84	2	86	2	88	2
27½	84	0	86	0	88	1	90	1
28	85	3	87	3	89	3	91	3
28½	87	1	89	1	91	1	93	2
29	88	3	90	3	93	0	95	1
29½	90	1	92	2	94	2	96	3
30	91	3	94	0	96	1	98	2
30½	93	1	95	2	97	3	100	0
31	94	3	97	0	99	2	101	3
31½	96	1	98	3	101	0	103	1
32	98	0	100	1	102	2	105	0
32½	99	2	101	3	104	1	106	3
33	101	0	103	1	105	3	108	1
33½	102	2	105	0	107	2	110	0
34	104	0	106	2	109	0	111	2
34½	105	2	108	0	110	2	113	1
35	107	0	109	3	112	1	114	3
35½	108	2	111	1	113	3	116	2
36	110	1	112	3	115	2	118	1
36½	111	3	114	1	117	0	119	3
37	113	1	116	0	118	3	121	2
37½	114	3	117	2	120	1	123	0
38	116	1	119	0	121	3	124	3
38½	117	3	120	2	123	2	126	1
39	119	1	122	1	125	0	128	0
39½	120	3	123	3	126	3	129	3
40	122	2	125	1	128	1	131	1
40½	124	0	127	0	130	0	133	0
41	125	2	128	2	131	2	134	2
41½	127	0	130	0	133	0	136	1
42	128	2	131	2	134	3	137	3
42½	130	0	133	1	136	1	139	2
43	131	2	134	3	138	0	141	1
43½	133	0	136	1	139	2	142	3
44	134	3	137	3	141	0	144	2
44½	136	1	139	2	142	3	146	0
45	137	3	141	0	144	1	147	3
45½	139	1	142	2	146	0	149	1
46	140	3	144	0	147	2	151	0
46½	142	1	145	3	149	1	152	3
47	143	3	147	1	150	3	154	1
47½	145	1	148	3	152	1	156	0
48	147	0	150	2	154	0	157	2
48½	148	2	152	0	155	2	159	1
49	150	0	153	2	157	1	160	3
49½	151	2	155	0	158	3	162	2
50	153	0	156	3	160	2	164	1

Feet long	Inches Square. 22		22¼		22½		22¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	3	1	3	1	3	2	3	2
1½	5	0	5	0	5	1	5	1
2	6	2	6	3	7	0	7	0
2½	8	1	8	2	8	3	8	3
3	10	0	10	1	10	2	10	3
3½	11	3	12	0	12	1	12	2
4	13	1	13	3	14	0	14	1
4½	15	0	15	1	15	3	16	0
5	16	3	17	0	17	2	17	3
5½	18	1	18	3	19	1	19	3
6	20	0	20	2	21	0	21	2
6½	21	3	22	1	22	3	23	1
7	23	2	24	0	24	2	25	0
7½	25	0	25	3	26	1	26	3
8	26	3	27	2	28	0	28	3
8½	28	2	29	0	29	3	30	2
9	30	1	30	3	31	2	32	1
9½	31	3	32	2	33	1	34	0
10	33	2	34	1	35	0	35	3
10½	35	1	36	0	36	3	37	2
11	36	3	37	3	38	2	39	2
11½	38	2	39	2	40	1	41	1
12	40	1	41	1	42	0	43	0
12½	42	0	42	3	43	3	44	3
13	43	2	44	2	45	2	46	2
13½	45	1	46	1	47	1	48	2
14	47	0	48	0	49	0	50	1
14½	48	2	49	3	50	3	52	0
15	50	1	51	2	52	2	53	3
15½	52	0	53	1	54	1	55	2
16	53	3	55	0	56	1	57	2
16½	55	1	56	2	58	0	59	1
17	57	0	58	1	59	3	61	0
17½	58	3	60	0	61	2	62	3
18	60	2	61	3	63	1	64	2
18½	62	0	63	2	65	0	66	1
19	63	3	65	1	66	3	68	1
19½	65	2	67	0	68	2	70	0
20	67	0	68	3	70	1	71	3
20½	68	3	70	1	72	0	73	2
21	70	2	72	0	73	3	75	1
21½	72	1	73	3	75	2	77	1
22	73	3	75	2	77	1	79	0
22½	75	2	77	1	79	0	80	3
23	77	1	79	0	80	3	82	2
23½	78	3	80	3	82	2	84	1
24	80	2	82	2	84	1	86	1
24½	82	1	84	0	86	0	88	0
25	84	0	85	3	87	3	89	3
25½	85	2	87	2	89	2	91	2

Feet long	Inches Square. 22		22¼		22½		22¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	87	1	89	1	91	1	93	1
26½	89	0	91	0	93	0	95	0
27	90	3	92	3	94	3	97	0
27½	92	1	94	2	96	2	98	3
28	94	0	96	1	98	1	100	2
28½	95	3	97	3	100	0	102	1
29	97	1	99	2	101	3	104	0
29½	99	0	101	1	103	2	106	0
30	100	3	103	0	105	1	107	3
30½	102	2	104	3	107	0	109	2
31	104	0	106	2	108	3	111	1
31½	105	3	108	1	110	2	113	0
32	107	2	110	0	112	2	115	0
32½	109	1	111	2	114	.	116	3
33	110	3	113	1	116	0	118	2
33½	112	2	115	0	117	3	120	1
34	114	1	116	3	119	2	122	0
34½	115	3	118	2	121	1	123	3
35	117	2	120	1	123	0	125	3
35½	119	1	122	0	124	3	127	2
36	121	0	123	3	126	2	129	1
36½	122	2	125	1	128	1	131	0
37	124	1	127	0	130	0	132	3
37½	126	0	128	3	131	3	134	2
38	127	2	130	2	133	2	136	2
38½	129	1	132	1	135	1	138	1
39	131	0	134	0	137	0	140	0
39½	132	3	135	2	138	3	141	3
40	134	1	137	2	140	2	143	3
40½	136	0	139	0	142	1	145	2
41	137	3	140	3	144	0	147	1
41½	139	1	142	2	145	3	149	0
42	141	0	144	1	147	2	150	3
42½	142	3	146	0	149	1	152	2
43	144	2	147	3	151	0	154	2
43½	146	0	149	2	152	3	156	1
44	147	3	151	1	154	2	158	0
44½	149	2	152	3	156	1	159	3
45	151	1	154	2	158	0	161	2
45½	152	3	156	1	159	3	163	2
46	154	2	158	0	161	2	165	1
46½	156	1	159	3	163	1	167	0
47	157	3	161	2	165	0	168	3
47½	159	2	163	1	166	3	170	2
48	161	1	165	0	168	3	172	2
48½	163	0	166	2	170	2	174	1
49	164	2	168	1	172	1	176	0
49½	166	1	170	0	174	0	177	3
50	168	0	171	3	175	3	179	2

Feet long	Inches Square. 23		23¼		23½		23¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	3	2	3	3	3	3	3	3
1½	5	2	5	2	5	3	5	3
2	7	1	7	2	7	2	7	3
2½	9	0	9	1	9	2	9	3
3	11	0	11	1	11	2	11	3
3½	12	3	13	0	13	1	13	2
4	14	2	15	0	15	1	15	2
4½	16	2	16	3	17	1	17	2
5	18	1	18	3	19	0	19	2
5½	20	0	20	2	21	0	21	2
6	22	0	22	2	23	0	23	2
6½	23	3	24	1	24	3	25	1
7	25	2	26	1	26	3	27	1
7½	27	2	28	0	28	3	29	1
8	29	1	30	0	30	2	31	1
8½	31	0	31	3	32	2	33	1
9	33	0	33	3	34	2	35	1
9½	34	3	35	2	36	1	37	0
10	36	2	37	2	38	1	39	0
10½	38	2	39	1	40	1	41	0
11	40	1	41	1	42	0	43	0
11½	42	0	43	0	44	0	45	0
12	44	0	45	0	46	0	47	0
12½	45	3	46	3	47	3	48	3
13	47	3	48	3	49	3	50	3
13½	49	2	50	2	51	3	52	3
14	51	1	52	2	53	2	54	3
14½	53	1	54	1	55	2	56	3
15	55	0	56	1	57	2	58	3
15½	56	3	58	0	59	1	60	2
16	58	3	60	0	61	1	62	2
16½	60	2	61	3	63	1	64	2
17	62	1	63	3	65	0	66	2
17½	64	1	65	2	67	0	68	2
18	66	0	67	2	69	0	70	2
18½	67	3	69	1	70	3	72	1
19	69	3	71	1	72	3	74	1
19½	71	2	73	0	74	3	76	1
20	73	1	75	0	76	2	78	1
20½	75	1	76	3	78	2	80	1
21	77	0	78	3	80	2	82	1
21½	78	3	80	2	82	1	84	0
22	80	3	82	2	84	1	86	0
22½	82	2	84	1	86	1	88	0
23	84	1	86	1	88	0	90	0
23½	86	1	88	0	90	0	92	0
24	88	0	90	0	92	0	94	0
24½	90	0	91	3	93	3	95	3
25	91	3	93	3	95	3	97	3
25½	93	2	95	2	97	3	99	3

Feet long	Inches Square. 23		23¼		23½		23¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	95	2	97	2	99	2	101	3
26½	97	1	99	1	101	2	103	3
27	99	0	101	1	103	2	105	3
27½	101	0	103	0	105	1	107	2
28	102	3	105	0	107	1	109	2
28½	104	2	106	3	109	1	111	2
29	106	2	108	3	111	0	113	2
29½	108	1	110	2	113	0	115	2
30	110	0	112	2	115	0	117	2
30½	112	0	114	1	116	3	119	1
31	113	3	116	1	118	3	121	1
31½	115	2	118	0	120	3	123	1
32	117	2	120	0	122	2	125	1
32½	119	1	122	0	124	2	127	1
33	121	0	123	3	126	2	129	1
33½	122	0	125	3	128	1	131	0
34	124	3	127	2	130	1	133	0
34½	126	2	129	2	132	1	135	0
35	128	2	131	1	134	0	137	0
35½	130	1	132	1	136	0	139	0
36	132	1	135	0	138	0	141	0
36½	134	0	137	0	139	3	142	3
37	135	3	138	3	141	3	144	3
37½	137	3	140	3	143	3	146	3
38	139	2	142	2	145	2	148	3
38½	141	1	144	2	147	2	150	3
39	143	1	146	1	149	2	152	3
39½	145	0	148	1	151	1	154	2
40	146	3	150	0	153	1	156	2
40½	148	3	152	0	155	1	158	2
41	150	2	153	3	157	0	160	2
41½	152	1	155	3	159	0	162	0
42	154	1	157	2	161	0	164	2
42½	156	0	159	2	162	3	166	1
43	157	3	161	1	164	3	168	1
43½	159	3	163	1	166	3	170	1
44	161	2	165	0	168	2	172	1
44½	163	1	167	0	170	2	174	1
45	165	1	168	3	172	2	176	1
45½	167	0	170	3	174	1	178	0
46	168	3	172	2	176	1	180	0
46½	170	3	174	2	178	1	182	0
47	172	2	176	1	180	0	184	0
47½	174	1	178	1	182	0	186	0
48	176	1	180	0	184	0	188	0
48½	178	0	182	0	186	0	189	3
49	180	0	183	3	187	3	191	3
49½	181	3	185	3	189	3	193	3
50	183	2	187	2	191	3	195	3

Feet long	Inches Square. 24		24¼		24½		24¾	
	F.	Q.	F.	Q.	F.	Q	F.	Q.
1	4	0	4	0	4	0	4	1
1½	6	0	6	0	6	1	6	1
2	8	0	8	0	8	1	8	2
2½	10	0	10	0	10	1	10	2
3	12	0	12	1	12	2	12	3
3½	14	0	14	1	14	2	14	3
4	16	0	16	1	16	2	17	0
4½	18	0	18	1	18	3	19	0
5	20	0	20	1	20	3	21	1
5½	22	0	22	1	22	3	23	1
6	24	0	24	2	25	0	25	2
6½	26	0	26	2	27	0	27	2
7	28	0	28	2	29	0	29	3
7½	30	0	30	2	31	1	31	3
8	32	0	32	2	33	1	34	0
8½	34	0	34	2	35	1	36	0
9	36	0	36	3	37	2	38	1
9½	38	0	38	3	39	2	40	1
10	40	0	40	3	41	2	42	2
10½	42	0	42	3	43	3	44	2
11	44	0	44	3	45	3	46	3
11½	46	0	46	3	47	3	48	3
12	48	0	49	0	50	0	51	0
12½	50	0	51	0	52	0	53	0
13	52	0	53	0	54	0	55	1
13½	54	0	55	0	56	1	57	1
14	56	0	57	0	58	1	59	2
14½	58	0	59	0	60	1	61	2
15	60	0	61	1	62	2	63	3
15½	62	0	63	1	64	2	65	3
16	64	0	65	1	66	2	68	0
16½	66	0	67	1	68	3	70	0
17	68	0	69	1	70	3	72	1
17½	70	0	71	1	72	3	74	1
18	72	0	73	2	75	0	76	2
18½	74	0	75	2	77	0	78	2
19	76	0	77	2	79	0	80	3
19½	78	0	79	2	81	1	82	3
20	80	0	81	2	83	1	85	0
20½	82	0	83	2	85	1	87	0
21	84	0	85	3	87	2	89	1
21½	86	0	87	3	89	2	91	1
22	88	0	89	3	91	2	93	2
22½	90	0	91	3	93	3	95	2
23	92	0	93	3	95	3	97	3
23½	94	0	95	3	97	3	99	3
24	96	0	98	0	100	0	102	0
24½	98	0	100	0	102	0	104	0
25	100	0	102	0	104	0	106	1
25½	102	0	104	0	106	1	108	1

Feet long	Inches Square. 24		24¼		24½		24¾	
	F.	Q.	F.	Q.	F.	Q	F.	Q.
26	104	0	106	0	108	1	110	2
26½	106	0	108	0	110	1	112	2
27	108	0	110	1	112	2	114	3
27½	110	0	112	1	114	2	116	3
28	112	0	114	1	116	2	119	0
28½	114	0	116	1	118	3	121	0
29	116	0	118	1	120	3	123	1
29½	118	0	120	1	122	3	125	1
30	120	0	122	2	125	0	127	2
30½	122	0	124	2	127	0	129	2
31	124	0	126	2	129	0	131	3
31½	126	0	128	2	131	1	133	3
32	128	0	130	2	133	1	136	0
32½	130	0	132	2	135	1	138	1
33	132	0	134	3	137	2	140	1
33½	134	0	136	3	139	2	142	2
34	136	0	138	3	141	2	144	2
34½	138	0	140	3	143	3	146	3
35	140	0	142	3	145	3	148	3
35½	142	0	144	3	147	3	151	0
36	144	0	147	0	150	0	153	0
36½	146	0	149	0	152	0	155	1
37	148	0	151	0	154	0	157	1
37½	150	0	153	0	156	1	159	2
38	152	0	155	0	158	1	161	2
38½	154	0	157	0	160	1	163	3
39	156	0	159	1	162	2	165	3
39½	158	0	161	1	164	2	168	0
40	160	0	163	1	166	2	170	0
40½	162	0	165	1	168	3	172	1
41	164	0	167	1	170	3	174	1
41½	166	0	169	1	172	3	176	2
42	168	0	171	2	175	0	178	2
42½	170	0	173	2	177	0	180	3
43	172	0	175	2	179	0	182	3
43½	174	0	177	2	181	1	185	0
44	176	0	179	2	183	1	187	0
44½	178	0	181	2	185	1	189	1
45	180	0	183	3	187	2	191	1
45½	182	0	185	3	189	2	193	2
46	184	0	187	3	191	2	195	2
46½	186	0	189	3	193	3	197	3
47	188	0	191	3	195	3	199	3
47½	190	0	193	3	197	3	202	0
48	192	0	196	2	200	0	204	0
48½	194	0	198	0	202	0	206	1
49	196	0	200	0	204	0	208	1
49½	198	0	202	0	206	1	210	2
50	200	0	204	0	208	1	212	2

Feet long	Inches Square. 25		25¼		25½		25¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	4	1	4	1	4	2	4	2
1½	6	2	6	2	6	3	6	3
2	8	2	8	3	9	0	9	0
2½	10	3	11	0	11	1	11	2
3	13	0	13	1	13	2	13	3
3½	15	0	15	1	15	3	16	0
4	17	1	17	2	18	0	18	1
4½	19	2	19	3	20	1	20	2
5	21	2	22	0	22	2	23	0
5½	23	3	24	1	24	3	25	1
6	26	0	26	2	27	0	27	2
6½	28	0	28	3	29	1	29	3
7	30	1	30	3	31	2	32	0
7½	32	2	33	0	33	3	34	2
8	34	2	35	1	36	0	36	3
8½	36	3	37	2	38	1	39	0
9	39	0	39	3	40	2	41	1
9½	41	0	42	0	42	3	43	2
10	43	1	44	1	45	0	46	0
10½	45	2	46	1	47	1	48	1
11	47	2	48	2	49	2	50	2
11½	49	3	50	3	51	3	52	3
12	52	0	53	0	54	0	55	1
12½	54	1	55	1	56	1	57	2
13	56	1	57	2	58	2	59	3
13½	58	2	59	3	60	3	62	0
14	60	3	61	3	63	0	64	1
14½	62	3	64	0	65	1	66	3
15	65	0	66	1	67	2	69	0
15½	67	1	68	2	69	3	71	1
16	69	1	70	3	72	1	73	2
16½	71	2	73	0	74	2	75	3
17	73	3	75	1	76	3	78	1
17½	75	3	77	1	79	0	80	2
18	78	0	79	2	81	1	82	3
18½	80	1	81	3	83	2	85	0
19	82	1	84	0	85	3	87	1
19½	84	2	86	1	88	0	89	3
20	86	3	88	2	90	1	92	0
20½	88	3	90	3	92	2	94	1
21	91	0	92	3	94	3	96	2
21½	93	1	95	0	97	0	99	0
22	95	1	97	1	99	1	101	1
22½	97	2	99	2	101	2	103	2
23	99	3	101	3	103	3	105	3
23½	101	3	104	0	106	0	108	0
24	104	0	106	1	108	1	110	2
24½	106	1	108	1	110	2	112	3
25	108	2	110	2	112	3	115	0
25½	110	2	112	3	115	0	117	1

Feet long	Inches Square. 25		25¼		25½		25¾	
	F.	Q.	F.	Q	F.	Q.	F.	Q.
26	112	3	115	0	117	1	119	2
26½	115	0	117	1	119	2	122	0
27	117	0	119	2	121	3	124	1
27½	119	1	121	3	124	0	126	2
28	121	2	123	3	126	1	128	3
28½	123	2	126	0	128	2	131	0
29	125	3	128	1	130	3	133	2
29½	128	0	130	2	133	0	135	3
30	130	0	132	3	135	1	138	0
30½	132	1	135	0	137	2	140	1
31	134	2	137	1	139	3	142	2
31½	136	2	139	1	142	0	145	0
32	138	3	141	2	144	2	147	1
32½	141	0	143	3	146	3	149	2
33	143	0	146	0	149	0	151	3
33½	145	1	148	1	151	1	154	1
34	147	2	150	2	153	2	156	2
34½	149	2	152	2	155	3	158	3
35	151	3	154	3	158	0	161	0
35½	154	0	157	0	160	1	163	1
36	156	1	159	1	162	2	165	3
36½	158	1	161	2	164	3	168	0
37	160	2	163	3	167	0	170	1
37½	162	3	166	0	169	1	172	2
38	164	3	168	0	171	2	174	3
38½	167	0	170	1	173	3	177	1
39	169	1	172	2	176	0	179	2
39½	171	1	174	3	178	1	181	3
40	173	2	177	0	180	2	184	0

Feet long	Inches Square. 26		26¼		26½		26¾	
	F.	Q.	F.	Q	F.	Q.	F.	Q.
1	4	2	4	3	4	3	4	3
1½	7	0	7	0	7	1	7	1
2	9	1	9	2	9	3	9	3
2½	11	2	11	3	12	0	12	1
3	14	0	14	1	14	2	14	3
3½	16	1	16	2	17	0	17	1
4	18	3	19	0	19	2	19	3
4½	21	0	21	2	21	3	22	1
5	23	1	23	3	24	1	24	3
5½	25	3	26	1	26	3	27	1
6	28	0	28	2	29	1	29	3
6½	30	2	31	0	31	2	32	1
7	32	3	33	1	34	0	34	3
7½	35	0	35	3	36	2	37	1
8	37	2	38	1	39	0	39	3
8½	39	3	40	2	41	1	42	0
9	42	1	43	0	43	3	44	2
9½	44	2	45	1	46	1	47	0
10	46	3	47	3	48	3	49	2
10½	49	0	50	0	51	0	52	0
11	51	2	52	2	53	2	54	2
11½	53	3	55	0	56	0	57	0
12	56	1	57	1	58	2	59	2
12½	58	2	59	3	60	3	62	0
13	61	0	62	0	63	1	64	2
13½	63	1	64	2	65	3	67	0
14	65	2	66	3	68	1	69	2
14½	68	0	69	1	70	2	72	0
15	70	1	71	3	73	0	74	2
15½	72	3	74	0	75	2	77	0
16	75	0	76	2	78	0	79	2
16½	77	2	78	3	80	1	81	3
17	79	3	81	1	82	3	84	1
17½	82	0	83	2	85	1	86	3
18	84	2	86	0	87	3	89	1
18½	86	3	88	2	90	0	91	3
19	89	0	90	3	92	2	94	1
19½	91	2	93	1	95	0	96	3
20	93	3	95	2	97	2	99	1
20½	96	0	98	0	99	3	101	3
21	98	2	100	1	102	1	104	1
21½	100	3	102	3	104	3	106	3
22	103	1	105	1	107	1	109	1
22½	105	2	107	2	109	2	111	3
23	107	3	110	0	112	0	114	1
23½	110	1	112	1	114	2	116	3
24	112	2	114	3	117	0	119	1
24½	115	0	117	0	119	1	121	2
25	117	1	119	2	121	3	124	0
25½	119	2	122	0	124	1	126	2

Feet long	Inches Square. 26		26¼		26½		26¾	
	F.	Q.	F	Q.	F.	Q.	F.	Q.
26	122	0	124	1	126	3	129	0
26½	124	1	126	3	129	0	131	2
27	126	3	129	0	131	2	134	0
27½	129	0	131	2	134	0	136	2
28	131	1	133	3	136	2	139	0
28½	133	3	136	1	138	3	141	2
29	136	0	138	3	141	1	144	0
29½	138	1	141	0	143	3	146	2
30	140	3	143	2	146	1	149	0
30½	143	0	145	3	148	2	151	2
31	145	2	148	1	151	0	154	0
31½	147	3	150	2	153	2	156	2
32	150	0	153	0	156	0	159	0
32½	152	2	155	2	158	1	161	1
33	154	3	157	3	160	3	163	3
33½	157	1	160	1	163	1	166	1
34	159	2	162	2	165	3	168	3
34½	161	3	165	0	168	0	171	1
35	164	1	167	1	170	2	173	3
35½	166	2	169	3	173	0	176	1
36	169	0	172	1	175	2	178	3
36½	171	1	174	2	178	0	181	1
37	173	2	177	0	180	1	183	3
37½	176	0	179	1	182	3	186	1
38	178	1	181	3	185	1	188	3
38½	180	2	184	0	187	3	191	1
39	183	0	186	2	190	0	193	3
39½	185	1	189	0	192	2	196	1
40	187	3	191	1	195	0	198	3

Feet long	Inches Square. 27		27¼		27½		27¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	5	0	5	0	5	1	5	1
1½	7	2	7	2	7	3	8	0
2	10	0	10	1	10	2	10	2
2½	12	2	12	3	13	0	13	1
3	15	0	15	1	15	3	16	0
3½	17	2	18	0	18	1	18	2
4	20	1	20	2	21	0	21	1
4½	22	3	23	0	23	2	24	0
5	25	1	25	3	26	1	26	2
5½	27	3	28	1	28	3	29	1
6	30	1	30	3	31	2	32	0
6½	32	3	33	2	34	0	34	3
7	35	1	36	0	36	3	37	1
7½	37	3	38	2	39	1	40	0
8	40	2	41	1	42	0	42	3
8½	43	0	43	3	44	2	45	1
9	45	2	46	1	47	1	48	0
9½	48	0	48	3	49	3	50	3
10	50	2	51	2	52	2	53	1
10½	53	0	54	0	55	0	56	0
11	55	2	56	2	57	3	58	3
11½	58	0	59	1	60	1	61	1
12	60	3	61	3	63	0	64	0
12½	63	1	64	1	65	2	66	3
13	65	3	67	0	68	1	69	2
13½	68	1	69	2	70	3	72	0
14	70	3	72	0	73	2	74	3
14½	73	1	74	3	76	0	77	2
15	75	3	77	1	78	3	80	0
15½	78	1	79	3	81	1	82	3
16	81	0	82	2	84	0	85	2
16½	83	2	85	0	86	2	88	0
17	86	0	87	2	89	1	90	3
17½	88	2	90	0	91	3	93	2
18	91	0	92	3	94	2	96	1
18½	93	2	95	1	97	0	98	3
19	96	0	97	3	99	3	101	2
19½	98	2	100	2	102	1	104	1
20	101	1	103	0	105	0	106	3
20½	103	3	105	2	107	2	109	2
21	106	1	108	1	110	1	112	1
21½	108	3	110	3	112	3	114	3
22	111	1	113	1	115	2	117	2
22½	113	3	116	0	118	0	120	1
23	116	1	118	2	120	3	122	3
23½	118	3	121	0	123	1	125	2
24	121	2	123	3	126	0	128	1
24½	124	0	126	1	128	2	131	0
25	126	2	128	3	131	1	133	2
25½	129	0	131	1	133	3	136	1

Feet long	Inches Square. 27		27¼		27½		27¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	131	2	134	0	136	2	139	0
26½	134	0	136	2	139	0	141	2
27	136	2	139	0	141	3	144	1
27½	139	0	141	3	144	1	147	0
28	141	3	144	1	147	0	149	2
28½	144	1	146	3	149	2	152	1
29	146	3	149	2	152	1	155	0
29½	149	1	152	0	154	3	157	3
30	151	3	154	2	157	2	160	1
30½	154	1	157	1	160	0	163	0
31	156	3	159	3	162	3	165	3
31½	159	1	162	1	165	1	168	1
32	162	0	165	0	168	0	171	0
32½	164	2	167	2	170	2	173	3
33	167	0	170	0	173	1	176	1
33½	169	2	172	2	175	3	179	0
34	172	0	175	1	178	2	181	3
34½	174	2	177	3	181	0	184	1
35	177	0	180	1	183	3	187	0
35½	179	2	183	0	186	1	189	3
36	182	1	185	2	189	0	192	2
36½	184	3	188	0	191	2	195	0
37	187	1	190	3	194	1	197	3
37½	189	3	193	1	196	3	200	2
38	192	1	195	3	199	2	203	0
38½	194	3	198	2	202	0	205	3
39	197	1	201	0	204	3	208	2
39½	199	3	203	2	207	1	211	0
40	202	2	206	1	210	0	213	3

Feet long	Inches Square. 28		28¼		28½		28¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	5	1	5	2	5	2	5	2
1½	8	0	8	1	8	1	8	2
2	10	3	11	0	11	1	11	1
2½	13	2	13	3	14	0	14	1
3	16	1	16	2	16	3	17	0
3½	19	0	19	1	19	2	20	0
4	21	3	22	0	22	2	22	3
4½	24	2	24	3	25	1	25	3
5	27	0	27	2	28	0	28	2
5½	29	3	30	1	31	0	31	2
6	32	2	33	1	33	3	34	1
6½	35	1	36	0	36	2	37	1
7	38	0	38	3	39	1	40	0
7½	40	3	41	2	42	1	43	0
8	43	2	44	1	45	0	45	3
8½	46	1	47	0	47	3	48	3
9	49	0	49	3	50	3	51	2
9½	51	2	52	2	53	2	54	2
10	54	1	55	1	56	1	57	1
10½	57	0	58	0	59	0	60	1
11	59	3	60	3	62	0	63	0
11½	62	2	63	2	64	3	66	0
12	65	1	66	2	67	2	68	3
12½	68	0	69	1	70	2	71	3
13	70	3	72	0	73	1	74	2
13½	73	2	74	3	76	0	77	1
14	76	0	77	2	78	3	80	1
14½	78	3	80	1	81	3	83	0
15	81	2	83	0	84	2	86	0
15½	84	1	85	3	87	1	88	3
16	87	0	88	2	90	1	91	3
16½	89	3	91	1	93	0	94	2
17	92	2	94	0	95	3	97	2
17½	95	1	96	3	98	2	100	1
18	98	0	99	3	101	2	103	1
18½	100	2	102	2	104	1	106	0
19	103	1	105	1	107	0	109	0
19½	106	0	108	0	109	3	111	3
20	108	3	110	3	112	3	114	3
20½	111	2	113	2	115	2	117	2
21	114	1	116	1	118	1	120	2
21½	117	0	119	0	121	1	123	1
22	119	3	121	3	124	0	126	1
22½	122	2	124	2	126	3	129	0
23	125	0	127	1	129	2	132	0
23½	127	3	130	0	132	2	134	3
24	130	2	133	0	135	1	137	3
24½	133	1	135	3	138	0	140	2
25	136	0	138	2	141	0	143	2
25½	138	3	141	1	143	3	146	1

Feet long	Inches Square. 28		28¼		28½		28¾	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
26	141	2	144	0	146	2	149	0
26½	144	1	146	3	149	1	152	0
27	147	0	149	2	152	1	154	3
27½	149	2	152	1	155	0	157	3
28	152	1	155	0	157	3	160	2
28½	155	0	157	3	160	3	163	2
29	157	3	160	2	163	2	166	1
29½	160	2	163	1	166	1	169	1
30	163	1	166	1	169	0	172	0
30½	166	0	169	0	172	0	175	0
31	168	3	171	3	174	3	177	3
31½	171	2	174	2	177	2	180	3
32	174	0	177	1	180	2	183	2
32½	176	3	180	0	183	1	186	2
33	179	2	182	3	186	0	189	1
33½	182	1	185	2	188	3	192	1
34	185	0	188	1	191	3	195	0
34½	187	3	191	0	194	2	198	0
35	190	2	193	3	197	1	200	3
35½	193	1	196	2	200	0	203	3
36	196	0	199	2	203	0	206	2
36½	198	2	202	1	205	3	209	2
37	201	1	205	0	208	2	212	1
37½	204	0	207	3	211	2	215	1
38	206	3	210	2	214	1	218	0
38½	209	2	213	1	217	0	220	3
39	212	1	216	0	219	3	223	3
39½	215	0	218	3	222	3	226	2
40	217	3	221	2	225	2	229	2

Feet long	Inches Square. 29		29¼		29½		29¾	
	F.	Q.	F.	Q	F.	Q.	F.	Q.
1	5	3	5	3	6	0	6	0
1½	8	3	8	3	9	0	9	0
2	11	2	11	3	12	0	12	1
2½	14	2	14	3	15	0	15	1
3	17	2	17	3	18	0	18	1
3½	20	1	20	3	21	0	21	2
4	23	1	23	3	24	0	24	2
4½	26	1	26	2	27	0	27	2
5	29	0	29	2	30	0	30	2
5½	32	0	32	2	33	0	33	3
6	35	0	35	2	36	1	36	3
6½	37	3	38	2	39	1	39	3
7	40	3	41	2	42	1	43	0
7½	43	3	44	2	45	1	46	0
8	46	2	47	2	48	1	49	0
8½	49	2	50	2	51	1	52	0
9	52	2	53	1	54	1	55	1
9½	55	1	56	1	57	1	58	1
10	58	1	59	1	60	1	61	1
10½	61	1	62	1	63	1	64	2
11	64	0	65	1	66	1	67	2
11½	67	0	68	1	69	1	70	2
12	70	0	71	1	72	2	73	3
12½	73	0	74	1	75	2	76	3
13	75	3	77	0	78	2	79	3
13½	78	3	80	0	81	2	82	3
14	81	3	83	0	84	2	86	0
14½	84	2	86	0	87	2	89	0
15	87	2	89	0	90	2	92	0
15½	90	2	92	0	93	2	95	1
16	93	1	95	0	96	2	98	1
16½	96	1	98	0	99	2	101	1
17	99	1	101	0	102	2	104	1
17½	102	0	103	3	105	3	107	2
18	105	0	106	3	108	3	110	2
18½	108	0	109	3	111	3	113	2
19	110	3	112	3	114	3	116	3
19½	113	3	115	3	117	3	119	3
20	116	3	118	3	120	3	122	3
20½	119	2	121	3	123	3	125	3
21	122	2	124	3	126	3	129	0
21½	125	2	127	2	129	3	132	0
22	128	1	130	2	132	3	135	0
22½	131	1	133	2	135	3	138	1
23	134	1	136	2	138	3	141	1
23½	137	0	139	2	142	0	144	1
24	140	0	142	2	145	0	147	2
24½	143	0	145	2	148	0	150	2
25	146	0	148	2	151	0	153	2
25½	148	3	151	2	154	0	156	2

Feet long	Inches Square. 29		29¼		29½		29¾	
	F.	Q	F.	Q	F.	Q.	F.	Q
26	151	3	154	1	157	0	159	3
26½	154	3	157	1	160	0	162	3
27	157	2	160	1	163	0	165	3
27½	160	2	163	1	166	0	169	0
28	163	2	166	1	169	0	172	0
28½	166	1	169	1	172	0	175	0
29	169	1	172	1	175	1	178	0
29½	172	1	175	1	178	1	181	1
30	175	0	178	0	181	1	184	1
30½	178	0	181	0	184	1	187	1
31	181	0	184	0	187	1	190	2
31½	183	3	187	0	190	1	193	2
32	186	3	190	0	193	1	196	2
32½	189	3	193	0	196	1	199	3
33	192	2	196	0	199	1	202	3
33½	195	2	199	0	202	1	205	3
34	198	2	202	0	205	1	208	3
34½	201	1	204	3	208	1	212	0
35	204	1	207	3	211	2	215	0
35½	207	1	210	3	214	2	218	0
36	210	1	213	3	217	2	221	1
36½	213	0	216	3	220	2	224	1
37	216	0	219	3	223	2	227	1
37½	219	0	222	3	226	2	230	1
38	221	3	225	3	229	2	233	2
38½	224	3	228	2	232	2	236	2
39	227	3	231	2	235	2	239	2
39½	230	2	234	2	238	2	242	3
40	233	2	237	2	241	2	245	3

Feet long	Inches Square. 30 F.	Q.	Feet long	Inches Square. 30 F.	Q.
1	6	1	26	162	2
1½	9	1	26½	165	2
2	12	2	27	168	3
2½	15	2	27½	171	3
3	18	3	28	175	0
3½	21	3	28½	178	0
4	25	0	29	181	1
4½	28	0	29½	184	1
5	31	1	30	187	2
5½	34	1	30½	190	2
6	37	2	31	193	3
6½	40	2	31½	196	3
7	43	3	32	200	0
7½	46	3	32½	203	0
8	50	0	33	206	1
8½	53	0	33½	209	1
9	56	1	34	212	2
9½	59	1	34½	215	2
10	62	2	35	218	3
10½	65	2	35½	221	3
11	68	3	36	225	0
11½	71	3	36½	228	0
12	75	0	37	231	1
12½	78	0	37½	234	1
13	81	1	38	237	2
13½	84	1	38½	240	2
14	87	2	39	243	3
14½	90	2	39½	246	3
15	93	3	40	250	0
15½	96	3			
16	100	0			
16½	103	0			
17	106	1			
17½	109	1			
18	112	2			
18½	115	2			
19	118	3			
19½	121	3			
20	125	0			
20½	128	0			
21	131	1			
21½	134	1			
22	137	2			
22½	140	2			
23	143	3			
23½	146	3			
24	150	0			
24½	153	0			
25	156	1			
25½	159	1			

AN

EXPLANATION

OF THE FOREGOING

TABLES OF SOLID,

AND THE FOLLOWING OF

SUPERFICIAL MEASURE.

IN finding the Content of a Piece of Timber, Plank, or Board, *ſeek for your Square in the* TABLES OF SOLID MEASURE, or *Breadth, in the* TABLES OF SUPERFICIAL MEASURE, which you have in numerical Order, at the Top of each Page; then caſt your Eye down the Left-hand or firſt Column for your Length; after which, over againſt your Length, and under the Square of the Timber or Breadth of the Plank, you will find the Content in Feet and Quarters.

☞ It is to be obſerved, that theſe Tables extend 7 Feet longer than Mr. HOPPUS's London Edition, together with every Half Foot required from 1 to 50 Feet in Length, (it being requiſite in long Poland and Koningſberg Plank) whereas he gives only the Half Foot at Bottom for the whole Page, which is not a correct Method.

I have alſo extended 18 Inches broader in the following TABLES of SUPERFICIAL MEASURE, which is practically needful in BROAD MAHOGANY and MARBLE.

Feet long	Inches Broad. 3		3½	
	F.	Q.	F.	Q.
1	0	1	0	1
1½	0	1	0	1
2	0	2	0	2
2½	0	2	0	2
3	0	3	0	3
3½	0	3	1	0
4	1	0	1	0
4½	1	0	1	1
5	1	1	1	1
5½	1	1	1	2
6	1	2	1	3
6½	1	2	1	3
7	1	3	2	0
7½	1	3	2	0
8	2	0	2	1
8½	2	0	2	1
9	2	1	2	2
9½	2	1	2	3
10	2	2	2	3
10½	2	2	3	0
11	2	3	3	0
11½	2	3	3	1
12	3	0	3	2
12½	3	0	3	2
13	3	1	3	3
13½	3	1	3	3
14	3	2	4	0
14½	3	2	4	0
15	3	3	4	1
15½	3	3	4	2
16	4	0	4	2
16½	4	0	4	3
17	4	1	4	3
17½	4	1	5	0
18	4	2	5	1
18½	4	2	5	1
19	4	3	5	2
19½	4	3	5	2
20	5	0	5	3
20½	5	0	5	3
21	5	1	6	0
21½	5	1	6	1
22	5	2	6	1
22½	5	2	6	2
23	5	3	6	2
23½	5	3	6	3
24	6	0	7	0
24½	6	0	7	0
25	6	1	7	1
25½	6	1	7	1

Feet long	Inches Broad. 3		3½	
	F.	Q.	F.	Q.
26	6	2	7	2
26½	6	2	7	2
27	6	3	7	3
27½	6	3	8	0
28	7	0	8	0
28½	7	0	8	1
29	7	1	8	1
29½	7	1	8	2
30	7	2	8	3
30½	7	2	8	3
31	7	3	9	0
31½	7	3	9	0
32	8	0	9	1
32½	8	0	9	1
33	8	1	9	2
33½	8	1	9	3
34	8	2	9	3
34½	8	2	10	0
35	8	3	10	0
35½	8	3	10	1
36	9	0	10	2
36½	9	0	10	2
37	9	1	10	3
37½	9	1	10	3
38	9	2	11	0
38½	9	2	11	0
39	9	3	11	1
39½	9	3	11	2
40	10	0	11	2
40½	10	0	11	3
41	10	1	11	3
41½	10	1	12	0
42	10	2	12	1
42½	10	2	12	1
43	10	3	12	2
43½	10	3	12	2
44	11	0	12	3
44½	11	0	12	3
45	11	1	13	0
45½	11	1	13	1
46	11	2	13	1
46½	11	2	13	2
47	11	3	13	2
47½	11	3	13	3
48	12	0	14	0
48½	12	0	14	0
49	12	1	14	1
49½	12	1	14	1
50	12	2	14	2

Feet long	Inches Broad. 4		4½	
	F.	Q.	F.	Q.
1	0	1	0	1
1½	0	2	0	2
2	0	2	0	3
2½	0	3	0	3
3	1	0	1	0
3½	1	0	1	1
4	1	1	1	2
4½	1	2	1	2
5	1	2	1	3
5½	1	3	2	0
6	2	0	2	1
6½	2	0	2	1
7	2	1	2	2
7½	2	2	2	3
8	2	2	3	0
8½	2	3	3	0
9	3	0	3	1
9½	3	0	3	2
10	3	1	3	3
10½	3	2	3	3
11	3	2	4	0
11½	3	3	4	1
12	4	0	4	2
12½	4	0	4	2
13	4	1	4	3
13½	4	2	5	0
14	4	2	5	1
14½	4	3	5	1
15	5	0	5	2
15½	5	0	5	3
16	5	1	6	0
16½	5	2	6	0
17	5	2	6	1
17½	5	3	6	2
18	6	0	6	3
18½	6	0	6	3
19	6	1	7	0
19½	6	2	7	1
20	6	2	7	2
20½	6	3	7	2
21	7	0	7	3
21½	7	0	8	0
22	7	1	8	1
22½	7	2	8	1
23	7	2	8	2
23½	7	3	8	3
24	8	0	9	0
24½	8	0	9	0
25	8	1	9	1
25½	8	2	9	2

Feet long	Inches Broad. 4		4½	
	F.	Q.	F.	Q.
26	8	2	9	3
26½	8	3	9	3
27	9	0	10	0
27½	9	0	10	1
28	9	1	10	2
28½	9	2	10	2
29	9	2	10	3
29½	9	3	11	0
30	10	0	11	1
30½	10	0	11	1
31	10	1	11	2
31½	10	2	11	3
32	10	2	12	0
32½	10	3	12	0
33	11	0	12	1
33½	11	0	12	2
34	11	1	12	3
34½	11	2	12	3
35	11	2	13	0
35½	11	3	13	1
36	12	0	13	2
36½	12	0	13	2
37	12	1	13	3
37½	12	2	14	0
38	12	2	14	1
38½	12	3	14	1
39	13	0	14	2
39½	13	0	14	3
40	13	1	15	0
40½	13	2	15	0
41	13	2	15	1
41½	13	3	15	2
42	14	0	15	3
42½	14	0	15	3
43	14	1	16	0
43½	14	2	16	1
44	14	2	16	2
44½	14	3	16	2
45	15	0	16	3
45½	15	0	17	0
46	15	1	17	1
46½	15	2	17	1
47	15	2	17	2
47½	15	3	17	3
48	16	0	18	0
48½	16	0	18	0
49	16	1	18	1
49½	16	2	18	2
50	16	2	18	3

Feet long	Inches Broad. 5		5½	
	F.	Q.	F.	Q.
1	0	1	0	1
1½	0	2	0	3
2	0	3	0	3
2½	1	0	1	0
3	1	1	1	1
3½	1	1	1	2
4	1	2	1	3
4½	1	3	2	0
5	2	0	2	1
5½	2	1	2	2
6	2	2	2	3
6½	2	2	2	3
7	2	3	3	0
7½	3	0	3	1
8	3	1	3	2
8½	3	2	3	3
9	3	3	4	0
9½	3	3	4	1
10	4	0	4	2
10½	4	1	4	3
11	4	2	5	0
11½	4	3	5	1
12	5	0	5	2
12½	5	0	5	2
13	5	1	5	3
13½	5	2	6	0
14	5	3	6	1
14½	6	0	6	2
15	6	1	6	3
15½	6	1	7	0
16	6	2	7	1
16½	6	3	7	2
17	7	0	7	3
17½	7	1	8	0
18	7	2	8	1
18½	7	2	8	1
19	7	3	8	2
19½	8	0	8	3
20	8	1	9	0
20½	8	2	9	1
21	8	3	9	2
21½	8	3	9	3
22	9	0	10	0
22½	9	1	10	1
23	9	2	10	2
23½	9	3	10	3
24	10	0	11	0
24½	10	0	11	0
25	10	1	11	1
25½	10	2	11	2

Feet long	Inches Broad. 5		5½	
	F.	Q.	F.	Q.
26	10	3	11	3
26½	11	0	12	0
27	11	1	12	1
27½	11	1	12	2
28	11	2	12	3
28½	11	3	13	0
29	12	0	13	1
29½	12	1	13	2
30	12	2	13	3
30½	12	2	13	3
31	12	3	14	0
31½	13	0	14	1
32	13	1	14	2
32½	13	2	14	3
33	13	3	15	0
33½	13	3	15	1
34	14	0	15	2
34½	14	1	15	3
35	14	2	16	0
35½	14	3	16	1
36	15	0	16	2
36½	15	0	16	2
37	15	1	16	3
37½	15	2	17	0
38	15	3	17	1
38½	16	0	17	2
39	16	1	17	3
39½	16	1	18	0
40	16	2	18	1
40½	16	3	18	2
41	17	0	18	3
41½	17	1	19	0
42	17	2	19	1
42½	17	2	19	1
43	17	3	19	2
43½	18	0	19	3
44	18	1	20	0
44½	18	2	20	1
45	18	3	20	2
45½	18	3	20	3
46	19	0	21	0
46½	19	1	21	1
47	19	2	21	2
47½	19	3	21	3
48	20	0	22	0
48½	20	0	22	0
49	20	1	22	1
49½	20	2	22	2
50	20	3	22	3

Feet long	Inches Broad. 6		6½	
	F.	Q.	F.	Q.
1	0	2	0	2
1½	0	3	0	3
2	1	0	1	0
2½	1	1	1	1
3	1	2	1	2
3½	1	3	1	3
4	2	0	2	0
4½	2	1	2	1
5	2	2	2	2
5½	2	3	2	3
6	3	0	3	1
6½	3	1	3	2
7	3	2	3	3
7½	3	3	4	0
8	4	0	4	1
8½	4	1	4	2
9	4	2	4	3
9½	4	3	5	0
10	5	0	5	1
10½	5	1	5	2
11	5	2	5	3
11½	5	3	6	0
12	6	0	6	2
12½	6	1	6	3
13	6	2	7	0
13½	6	3	7	1
14	7	0	7	2
14½	7	1	7	3
15	7	2	8	0
15½	7	3	8	1
16	8	0	8	2
16½	8	1	8	3
17	8	2	9	0
17½	8	3	9	1
18	9	0	9	3
18½	9	1	10	0
19	9	2	10	1
19½	9	3	10	2
20	10	0	10	3
20½	10	1	11	0
21	10	2	11	1
21½	10	3	11	2
22	11	0	11	3
22½	11	1	12	0
23	11	2	12	1
23½	11	3	12	2
24	12	0	13	0
24½	12	1	13	1
25	12	2	13	2
25½	12	3	13	3

Feet long	Inches Broad. 6		6½	
	F.	Q.	F.	Q.
26	13	0	14	0
26½	13	1	14	1
27	13	2	14	2
27½	13	3	14	3
28	14	0	15	0
28½	14	1	15	1
29	14	2	15	2
29½	14	3	15	3
30	15	0	16	1
30½	15	1	16	2
31	15	2	16	3
31½	15	3	17	0
32	16	0	17	1
32½	16	1	17	2
33	16	2	17	3
33½	16	3	18	0
34	17	0	18	1
34½	17	1	18	2
35	17	2	18	3
35½	17	3	19	0
36	18	0	19	2
36½	18	1	19	3
37	18	2	20	0
37½	18	3	20	1
38	19	0	20	2
38½	19	1	20	3
39	19	2	21	0
39½	19	3	21	1
40	20	0	21	2
40½	20	1	21	3
41	20	2	22	0
41½	20	3	22	1
42	21	0	22	3
42½	21	1	23	0
43	21	2	23	1
43½	21	3	23	2
44	22	0	23	3
44½	22	1	24	0
45	22	2	24	1
45½	22	3	24	2
46	23	0	24	3
46½	23	1	25	0
47	23	2	25	1
47½	23	3	25	2
48	24	0	26	0
48½	24	1	26	1
49	24	1	26	2
49½	24	3	26	3
50	25	0	27	0

Feet long	Inches Broad. 7 F.	7 Q	7½ F.	7½ Q
1	0	2	0	2
1½	0	3	0	3
2	1	0	1	1
2½	1	1	1	2
3	1	3	1	3
3½	2	0	2	0
4	2	1	2	2
4½	2	2	2	3
5	2	3	3	0
5½	3	0	3	1
6	3	2	3	3
6½	3	3	4	0
7	4	0	4	1
7½	4	1	4	2
8	4	2	5	0
8½	4	3	5	1
9	5	1	5	2
9½	5	2	5	3
10	5	3	6	1
10½	6	0	6	2
11	6	1	6	3
11½	6	2	7	0
12	7	0	7	2
12½	7	1	7	3
13	7	2	8	0
13½	7	3	8	1
14	8	0	8	3
14½	8	1	9	0
15	8	3	9	1
15½	9	0	9	2
16	9	1	10	0
16½	9	2	10	1
17	9	3	10	2
17½	10	0	10	3
18	10	2	11	1
18½	10	3	11	2
19	11	0	11	3
19½	11	1	12	0
20	11	2	12	2
20½	11	3	12	3
21	12	1	13	0
21½	12	2	13	1
22	12	3	13	3
22½	13	0	14	0
23	13	1	14	1
23½	13	2	14	2
24	14	0	15	0
24½	14	1	15	1
25	14	2	15	2
25½	14	3	15	3

Feet long	Inches Broad. 7 F.	7 Q.	7½ F.	7½ Q.
26	15	0	16	1
26½	15	1	16	2
27	15	3	16	3
27½	16	0	17	0
28	16	1	17	2
28½	16	2	17	3
29	16	3	18	0
29½	17	0	8	1
30	17	2	18	3
30½	17	3	19	0
31	18	0	19	1
31½	18	1	19	2
32	18	2	20	0
32½	18	3	20	1
33	19	1	20	2
33½	19	2	20	3
34	19	3	21	1
34½	20	0	21	2
35	20	1	21	3
35½	20	2	22	0
36	21	0	22	2
36½	21	1	22	3
37	21	2	23	0
37½	21	3	23	1
38	22	0	23	3
38½	22	1	24	0
39	22	3	24	1
39½	23	0	24	2
40	23	1	25	0
40½	23	2	25	1
41	23	3	25	2
41½	24	0	25	3
42	24	2	26	1
42½	24	3	26	2
43	25	0	26	3
43½	25	1	27	0
44	25	2	27	2
44½	25	3	27	3
45	26	1	28	0
45½	26	2	28	1
46	26	3	28	3
46½	27	0	29	0
47	27	1	29	1
47½	27	2	29	2
48	28	0	30	0
48½	28	1	30	1
49	28	2	30	2
49½	28	3	30	3
50	29	0	31	1

Feet long	Inches Broad 8		8½	
	F.	Q.	F.	Q.
1	0	2	0	2
1½	1	0	1	0
2	1	1	1	1
2½	1	2	1	3
3	2	0	2	0
3½	2	1	2	1
4	2	2	2	3
4½	3	0	3	0
5	3	1	3	2
5½	3	2	3	3
6	4	0	4	1
6½	4	1	4	2
7	4	2	4	3
7½	5	0	5	1
8	5	1	5	2
8½	5	2	6	0
9	6	0	6	1
9½	6	1	6	2
10	6	2	7	0
10½	7	0	7	1
11	7	1	7	3
11½	7	2	8	0
12	8	0	8	2
12½	8	1	8	3
13	8	2	9	0
13½	9	0	9	2
14	9	1	9	3
14½	9	2	10	1
15	10	0	10	2
15½	10	1	10	3
16	10	2	11	1
16½	11	0	11	2
17	11	1	12	0
17½	11	2	12	1
18	12	0	12	3
18½	12	1	13	0
19	12	2	13	1
19½	13	0	13	3
20	13	1	14	0
20½	13	2	14	2
21	14	0	14	3
21½	14	1	15	0
22	14	2	15	2
22½	15	0	15	3
23	15	1	16	1
23½	15	2	16	2
24	16	0	17	0
24½	16	1	17	1
25	16	2	17	2
25½	17	0	18	0

Feet long	Inches Broad. 8		8½	
	F.	Q.	F.	Q.
26	17	1	18	1
26½	17	2	18	3
27	18	0	19	0
27½	18	1	19	1
28	18	2	19	3
28½	19	0	20	0
29	19	1	20	2
29½	19	2	20	3
30	20	0	21	1
30½	20	1	21	2
31	20	2	21	3
31½	21	0	22	1
32	21	1	22	2
32½	21	2	23	0
33	22	0	23	1
33½	22	1	23	2
34	22	2	24	0
34½	23	0	24	1
35	23	1	24	3
35½	23	2	25	0
36	24	0	25	2
36½	24	1	25	3
37	24	2	26	0
37½	25	0	26	2
38	25	1	26	3
38½	25	2	27	1
39	26	0	27	2
39½	26	1	27	3
40	26	2	28	1
40½	27	0	28	2
41	27	1	29	0
41½	27	2	29	1
42	28	0	29	3
42½	28	1	30	0
43	28	2	30	1
43½	29	0	30	3
44	29	1	31	0
44½	29	2	31	2
45	30	0	31	3
45½	30	1	32	0
46	30	2	32	2
46½	31	0	32	3
47	31	1	33	1
47½	31	2	33	2
48	32	0	34	0
48½	32	1	34	1
49	32	2	34	2
49½	33	0	35	0
50	33	1	35	1

Feet long	Inches Broad. 9		9½	
	F.	Q.	F.	Q.
1	0	3	0	3
1½	1	0	1	0
2	1	2	1	2
2½	1	3	1	3
3	2	1	2	1
3½	2	2	2	3
4	3	0	3	0
4½	3	1	3	2
5	3	3	3	3
5½	4	0	4	1
6	4	2	4	3
6½	4	3	5	0
7	5	1	5	2
7½	5	2	5	3
8	6	0	6	1
8½	6	1	6	2
9	6	3	7	0
9½	7	0	7	2
10	7	2	7	3
10½	7	3	8	1
11	8	1	8	2
11½	8	2	9	0
12	9	0	9	2
12½	9	1	9	3
13	9	3	10	1
13½	10	0	10	2
14	10	2	11	0
14½	10	3	11	1
15	11	1	11	3
15½	11	2	12	1
16	12	0	12	2
16½	12	1	13	0
17	12	3	13	1
17½	13	0	13	3
18	13	2	14	1
18½	13	3	14	2
19	14	1	15	0
19½	14	2	15	1
20	15	0	15	3
20½	15	1	16	0
21	15	3	16	2
21½	16	0	17	0
22	16	2	17	1
22½	16	3	17	3
23	17	1	18	0
23½	17	2	18	2
24	18	0	19	0
24½	18	1	19	1
25	18	3	19	3
25½	19	0	20	0

Feet long	Inches Broad. 9		9½	
	F.	Q.	F.	Q.
26	19	2	20	2
26½	19	3	20	3
27	20	1	21	1
27½	20	2	21	3
28	21	0	22	0
28½	21	1	22	2
29	21	3	22	3
29½	22	0	23	1
30	22	2	23	3
30½	22	3	24	0
31	23	1	24	2
31½	23	2	24	3
32	24	0	25	1
32½	24	1	25	2
33	24	3	26	0
33½	25	0	26	2
34	25	2	26	3
34½	25	3	27	1
35	26	1	27	2
35½	26	2	28	0
36	27	0	28	2
36½	27	1	28	3
37	27	3	29	1
37½	28	0	29	2
38	28	2	30	0
38½	28	3	30	1
39	29	1	30	3
39½	29	2	31	1
40	30	0	31	2
40½	30	1	32	0
41	30	3	32	1
41½	31	0	32	3
42	31	2	33	1
42½	31	3	33	2
43	32	1	34	0
43½	32	2	34	1
44	33	0	34	3
44½	33	1	35	0
45	33	3	35	2
45½	34	0	36	0
46	34	2	36	1
46½	34	3	36	3
47	35	1	37	0
47½	35	2	37	2
48	36	0	38	0
48½	36	1	38	1
49	36	3	38	3
49½	37	0	39	0
50	37	2	39	2

Feet long	Inches Broad. 10		10½	
	F.	Q.	F.	Q.
1	0	3	0	3
1½	1	1	1	1
2	1	2	1	3
2½	2	0	2	0
3	2	2	2	2
3½	2	3	3	0
4	3	1	3	2
4½	3	3	3	3
5	4	0	4	1
5½	4	2	4	3
6	5	0	5	1
6½	5	1	5	2
7	5	3	6	0
7½	6	1	6	2
8	6	2	7	0
8½	7	0	7	1
9	7	2	7	3
9½	7	3	8	1
10	8	1	8	3
10½	8	3	9	0
11	9	0	9	2
11½	9	2	10	0
12	10	0	10	2
12½	10	1	10	3
13	10	3	11	1
13½	11	1	11	3
14	11	2	12	1
14½	12	0	12	2
15	12	2	13	0
15½	12	3	13	2
16	13	1	14	0
16½	13	3	14	1
17	14	0	14	3
17½	14	2	15	1
18	15	0	15	3
18½	15	1	16	0
19	15	3	16	2
19½	16	1	17	0
20	16	2	17	2
20½	17	0	17	3
21	17	2	18	1
21½	17	3	18	3
22	18	1	19	1
22½	18	3	19	2
23	19	0	20	0
23½	19	2	20	2
24	20	0	21	0
24½	20	1	21	1
25	20	3	21	3
25½	21	1	22	1

Feet long	Inches Broad. 10		10½	
	F.	Q.	F.	Q.
26	21	2	22	3
26½	22	0	23	0
27	22	2	23	2
27½	22	3	24	0
28	23	1	24	2
28½	23	3	24	3
29	24	0	25	1
29½	24	2	25	3
30	25	0	26	1
30½	25	1	26	2
31	25	3	27	0
31½	26	1	27	2
32	26	2	28	0
32½	27	0	28	1
33	27	2	28	3
33½	27	3	29	1
34	28	1	29	3
34½	28	3	30	0
35	29	0	30	2
35½	29	2	31	0
36	30	0	31	2
36½	30	1	31	3
37	30	3	32	1
37½	31	1	32	3
38	31	2	33	1
38½	32	0	33	2
39	32	2	34	0
39½	32	3	34	2
40	33	1	35	0
40½	33	3	35	1
41	34	0	35	3
41½	34	2	36	1
42	35	0	36	3
42½	35	1	37	0
43	35	3	37	2
43½	36	1	38	0
44	36	2	38	2
44½	37	0	38	3
45	37	2	39	1
45½	37	3	39	3
46	38	1	40	1
46½	38	3	40	2
47	39	0	41	0
47½	39	2	41	2
48	40	0	42	0
48½	40	1	42	1
49	40	3	42	3
49½	41	1	43	1
50	41	2	43	3

Feet long	Inches Broad. 11		11½	
	F.	Q.	F.	Q.
1	0	3	0	3
1½	1	1	1	1
2	1	3	1	3
2½	2	1	2	1
3	2	3	2	3
3½	3	0	3	1
4	3	2	3	3
4½	4	0	4	1
5	4	2	4	3
5½	5	0	5	1
6	5	2	5	3
6½	5	3	6	0
7	6	1	6	2
7½	6	3	7	0
8	7	1	7	2
8½	7	3	8	0
9	8	1	8	2
9½	8	2	9	0
10	9	0	9	2
10½	9	2	10	0
11	10	0	10	2
11½	10	2	11	0
12	11	0	11	2
12½	11	1	11	3
13	11	3	12	1
13½	12	1	12	3
14	12	3	13	1
14½	13	1	13	3
15	13	3	14	1
15½	14	0	14	3
16	14	2	15	1
16½	15	0	15	3
17	15	2	16	1
17½	16	0	16	3
18	16	2	17	1
18½	16	3	17	2
19	17	1	18	0
19½	17	3	18	2
20	18	1	19	0
20½	18	3	19	2
21	19	1	20	0
21½	19	2	20	2
22	20	0	21	0
22½	20	2	21	2
23	21	0	22	0
23½	21	2	22	2
24	22	0	23	0
24½	22	1	23	1
25	22	3	23	3
25½	23	1	24	1

Feet long	Inches Broad. 11		11½	
	F.	Q.	F.	Q.
26	23	3	24	3
26½	24	1	25	1
27	24	3	25	3
27½	25	0	26	1
28	25	2	26	3
28½	26	0	27	1
29	26	2	27	3
29½	27	0	28	1
30	27	2	28	3
30½	27	3	29	0
31	28	1	29	2
31½	28	3	30	0
32	29	1	30	2
32½	29	3	31	0
33	30	1	31	2
33½	30	2	32	0
34	31	0	32	2
34½	31	2	33	0
35	32	0	33	2
35½	32	2	34	0
36	33	0	34	2
36½	33	1	34	2
37	33	3	35	1
37½	34	1	35	3
38	34	3	36	1
38½	35	1	36	3
39	35	3	37	1
39½	36	0	37	3
40	36	2	38	1
40½	37	0	38	3
41	37	2	39	1
41½	38	0	39	3
42	38	2	40	1
42½	38	3	40	2
43	39	1	41	0
43½	39	3	41	2
44	40	1	42	0
44½	40	3	42	2
45	41	1	43	0
45½	41	2	43	2
46	42	0	44	0
46½	42	2	44	2
47	43	0	45	0
47½	43	2	45	2
48	44	0	46	0
48½	44	1	46	1
49	44	3	46	3
49½	45	1	47	1
50	45	3	47	3

Feet long	Inches Broad. 12		12½	
	F.	Q.	F.	Q.
1	1	0	1	0
1½	1	2	1	2
2	2	0	2	0
2½	2	2	2	2
3	3	0	3	0
3½	3	2	3	2
4	4	0	4	0
4½	4	2	4	2
5	5	0	5	0
5½	5	2	5	2
6	6	0	6	1
6½	6	2	6	3
7	7	0	7	1
7½	7	2	7	3
8	8	0	8	1
8½	8	2	8	3
9	9	0	9	1
9½	9	2	9	3
10	10	0	10	1
10½	10	2	10	3
11	11	0	11	1
11½	11	2	11	3
12	12	0	12	2
12½	12	2	13	0
13	13	0	13	2
13½	13	2	14	0
14	14	0	14	2
14½	14	2	15	0
15	15	0	15	2
15½	15	2	16	0
16	16	0	16	2
16½	16	2	17	0
17	17	0	17	2
17½	17	2	18	0
18	18	0	18	3
18½	18	2	19	1
19	19	0	19	3
19½	19	2	20	1
20	20	0	20	3
20½	20	2	21	1
21	21	0	21	3
21½	21	2	22	1
22	22	0	22	3
22½	22	2	23	1
23	23	0	23	3
23½	23	2	24	1
24	24	0	25	0
24½	24	2	25	2
25	25	0	26	0
25½	25	2	26	2

Feet long	Inches Broad. 12		12½	
	F.	Q.	F.	Q.
26	26	0	27	0
26½	26	2	27	2
27	27	0	28	0
27½	27	2	28	2
28	28	0	29	0
28½	28	2	29	2
29	29	0	30	0
29½	29	2	30	2
30	30	0	31	1
30½	30	2	31	3
31	31	0	32	1
31½	31	2	32	3
32	32	0	33	1
32½	32	2	33	3
33	33	0	34	1
33½	33	2	34	3
34	34	0	35	1
34½	34	2	35	3
35	35	0	36	1
35½	35	2	36	3
36	36	0	37	2
36½	36	2	38	0
37	37	0	38	2
37½	37	2	39	0
38	38	0	39	2
38½	38	2	40	0
39	39	0	40	2
39½	39	2	41	0
40	40	0	41	2
40½	40	2	42	0
41	41	0	42	2
41½	41	2	43	0
42	42	0	43	3
42½	42	2	44	1
43	43	0	44	3
43½	43	2	45	1
44	44	0	45	3
44½	44	2	46	1
45	45	0	46	3
45½	45	2	47	1
46	46	0	47	3
46½	46	2	48	1
47	47	0	48	3
47½	47	2	49	1
48	48	0	50	0
48½	48	2	50	2
49	49	0	51	0
49½	49	2	51	2
50	50	0	52	0

Feet long	Inches Broad. 13		13½	
	F.	Q.	F.	Q.
1	1	0	1	0
1½	1	2	1	2
2	2	0	2	1
2½	2	2	2	3
3	3	1	3	1
3½	3	3	3	3
4	4	1	4	2
4½	4	3	5	0
5	5	1	5	2
5½	5	3	6	0
6	6	2	6	3
6½	7	0	7	1
7	7	2	7	3
7½	8	0	8	1
8	8	2	9	0
8½	9	0	9	2
9	9	3	10	0
9½	10	1	10	2
10	10	3	11	1
10½	11	1	11	3
11	11	3	12	1
11½	12	1	12	3
12	13	0	13	2
12½	13	2	14	0
13	14	0	14	2
13½	14	2	15	0
14	15	0	15	3
14½	15	2	16	1
15	16	1	16	3
15½	16	3	17	1
16	17	1	18	0
16½	17	3	18	2
17	18	1	19	0
17½	18	3	19	2
18	19	2	20	1
18½	20	0	20	3
19	20	2	21	1
19½	21	0	21	3
20	21	2	22	2
20½	22	0	23	0
21	22	3	23	2
21½	23	1	24	0
22	23	3	24	3
22½	24	1	25	1
23	24	3	25	3
23½	25	1	26	1
24	26	0	27	0
24½	26	2	27	2
25	27	0	28	0
25½	27	2	28	2

Feet long	Inches Broad. 13		13½	
	F.	Q.	F.	Q.
26	28	0	29	1
26½	28	2	29	3
27	29	1	30	1
27½	29	3	30	3
28	30	1	31	2
28½	30	3	32	0
29	31	1	32	2
29½	31	3	33	0
30	32	2	33	3
30½	33	0	34	1
31	33	2	34	3
31½	34	0	35	1
32	34	2	36	0
32½	35	0	36	2
33	35	3	37	0
33½	36	1	37	2
34	36	3	38	1
34½	37	1	38	3
35	37	3	39	1
35½	38	1	39	3
36	39	0	40	2
36½	39	2	41	0
37	40	0	41	2
37½	40	2	42	0
38	41	0	42	3
38½	41	2	43	1
39	42	1	43	3
39½	42	3	44	1
40	43	1	45	0
40½	43	3	45	2
41	44	1	46	0
41½	44	3	46	2
42	45	2	47	1
42½	46	0	47	3
43	46	2	48	1
43½	47	0	48	3
44	47	2	49	2
44½	48	0	50	0
45	48	3	50	2
45½	49	1	51	0
46	49	3	51	3
46½	50	1	52	1
47	50	3	52	3
47½	51	1	53	1
48	52	0	54	0
48½	52	2	54	2
49	53	0	55	0
49½	53	2	55	2
50	54	0	56	1

Feet long	Inches Broad. 14 F.	14 Q.	14½ F.	14½ Q.
1	1	0	1	0
1½	1	3	1	3
2	2	1	2	1
2½	2	3	3	0
3	3	2	3	2
3½	4	0	4	0
4	4	2	4	3
4½	5	1	5	1
5	5	3	6	0
5½	6	1	6	2
6	7	0	7	1
6½	7	2	7	3
7	8	0	8	1
7½	8	3	9	0
8	9	1	9	2
8½	9	3	10	1
9	10	2	10	3
9½	11	0	11	1
10	11	2	12	0
10½	12	1	12	2
11	12	3	13	1
11½	13	1	13	3
12	14	0	14	2
12½	14	2	15	0
13	15	0	15	2
13½	15	3	16	1
14	16	1	16	3
14½	16	3	17	2
15	17	2	18	0
15½	18	0	18	2
16	18	2	19	1
16½	19	1	19	3
17	19	3	20	2
17½	20	1	21	0
18	21	0	21	3
18½	21	2	22	1
19	22	0	22	3
19½	22	3	23	2
20	23	1	24	0
20½	23	3	24	3
21	24	2	25	1
21½	25	0	25	3
22	25	2	26	2
22½	26	1	27	0
23	26	3	27	3
23½	27	1	28	1
24	28	0	29	0
24½	28	2	29	2
25	29	0	30	0
25½	29	3	30	3

Feet long	Inches Broad. 14 F.	14 Q.	14½ F.	14½ Q.
26	30	1	31	1
26½	30	3	32	0
27	31	2	32	2
27½	32	0	33	0
28	32	2	33	3
28½	33	1	34	1
29	33	3	35	0
29½	34	1	35	2
30	35	0	36	1
30½	35	2	36	3
31	36	0	37	1
31½	36	3	38	0
32	37	1	38	2
32½	37	3	39	1
33	38	2	39	3
33½	39	0	40	1
34	39	2	41	0
34½	40	1	41	2
35	40	3	42	1
35½	41	1	42	3
36	42	0	43	2
36½	42	2	44	0
37	43	0	44	2
37½	43	3	45	1
38	44	1	45	3
38½	44	3	46	2
39	45	2	47	0
39½	46	0	47	2
40	46	2	48	1
40½	47	1	48	3
41	47	3	49	2
41½	48	1	50	0
42	49	0	50	3
42½	49	2	51	1
43	50	0	51	3
43½	50	3	52	2
44	51	1	53	0
44½	51	3	53	3
45	52	2	54	1
45½	53	0	54	3
46	53	2	55	2
46½	54	1	56	0
47	54	3	56	3
47½	55	1	57	1
48	56	0	58	0
48½	56	2	58	2
49	57	0	59	0
49½	57	3	59	3
50	58	1	60	1

Feet long	Inches Broad. 15 F.	15 Q.	15½ F.	15½ Q.
1	1	1	1	1
1½	1	3	1	3
2	2	2	2	2
2½	3	0	3	0
3	3	3	3	3
3½	4	1	4	2
4	5	0	5	0
4½	5	2	5	3
5	6	1	6	1
5½	6	3	7	0
6	7	2	7	3
6½	8	0	8	1
7	8	3	9	0
7½	9	1	9	2
8	10	0	10	1
8½	10	2	10	3
9	11	1	11	2
9½	11	3	12	1
10	12	2	12	3
10½	13	0	13	2
11	13	3	14	0
11½	14	1	14	3
12	15	0	15	2
12½	15	2	16	0
13	16	1	16	3
13½	16	3	17	1
14	17	2	18	0
14½	18	0	18	2
15	18	3	19	1
15½	19	1	20	0
16	20	0	20	2
16½	20	2	21	1
17	21	1	21	3
17½	21	3	22	2
18	22	2	23	1
18½	23	0	23	3
19	23	3	24	2
19½	24	1	25	0
20	25	0	25	3
20½	25	2	26	1
21	26	1	27	0
21½	26	3	27	3
22	27	2	28	1
22½	28	0	29	0
23	28	3	29	2
23½	29	1	30	1
24	30	0	31	0
24½	30	2	31	2
25	31	1	32	1
25½	31	3	32	3

Feet long	Inches Broad. 15 F.	15 Q.	15½ F.	15½ Q.
26	32	2	33	2
26½	33	0	34	0
27	33	3	34	3
27½	34	1	35	2
28	35	0	36	0
28½	35	2	36	3
29	36	1	37	1
29½	36	3	38	0
30	37	2	38	3
30½	38	0	39	1
31	38	3	40	0
31½	39	1	40	2
32	40	0	41	1
32½	40	2	41	3
33	41	1	42	2
33½	41	3	43	1
34	42	2	43	3
34½	43	0	44	2
35	43	3	45	0
35½	44	1	45	3
36	45	0	46	2
36½	45	2	47	0
37	46	1	47	3
37½	46	3	48	1
38	47	2	49	0
38½	48	0	49	2
39	48	3	50	1
39½	49	1	51	0
40	50	0	51	2
40½	50	2	52	1
41	51	1	52	3
41½	51	3	53	2
42	52	2	54	1
42½	53	0	54	3
43	53	3	55	2
43½	54	1	56	0
44	55	0	56	3
44½	55	2	57	1
45	56	1	58	0
45½	56	3	58	3
46	57	2	59	1
46½	58	0	60	0
47	58	3	60	2
47½	59	1	61	1
48	60	0	62	0
48½	60	2	62	2
49	61	1	63	1
49½	61	3	63	3
50	62	2	64	2

Feet long	Inches Broad. 16		16½	
	F.	Q.	F.	Q.
1	1	1	1	1
1½	2	0	2	0
2	2	2	2	3
2½	3	1	3	1
3	4	0	4	0
3½	4	2	4	3
4	5	1	5	2
4½	6	0	6	0
5	6	2	6	3
5½	7	1	7	2
6	8	0	8	1
6½	8	2	8	3
7	9	1	9	2
7½	10	0	10	1
8	10	2	11	0
8½	11	1	11	2
9	12	0	12	1
9½	12	2	13	0
10	13	1	13	3
10½	14	0	14	1
11	14	2	15	0
11½	15	1	15	3
12	16	0	16	2
12½	16	2	17	0
13	17	1	17	3
13½	18	0	18	2
14	18	2	19	1
14½	19	1	19	3
15	20	0	20	2
15½	20	2	21	1
16	21	1	22	0
16½	22	0	22	2
17	22	2	23	1
17½	23	1	24	0
18	24	0	24	3
18½	24	2	25	1
19	25	1	26	0
19½	26	0	26	3
20	26	2	27	2
20½	27	1	28	0
21	28	0	28	3
21½	28	2	29	2
22	29	1	30	1
22½	30	0	30	3
23	30	2	31	2
23½	31	1	32	1
24	32	0	33	0
24½	32	2	33	2
25	33	1	34	1
25½	34	0	35	0

Feet long	Inches Broad. 16		16½	
	F.	Q.	F.	Q.
26	34	2	35	3
26½	35	1	36	1
27	36	0	37	0
27½	36	2	37	3
28	37	1	38	2
28½	38	0	39	0
29	38	2	39	3
29½	39	1	40	2
30	40	0	41	1
30½	40	2	41	3
31	41	1	42	2
31½	42	0	43	1
32	42	2	44	0
32½	43	1	44	2
33	44	0	45	1
33½	44	2	46	0
34	45	1	46	3
34½	46	0	47	1
35	46	2	48	0
35½	47	1	48	3
36	48	0	49	2
36½	48	2	50	0
37	49	1	50	3
37½	50	0	51	2
38	50	2	52	1
38½	51	1	52	3
39	52	0	53	2
39½	52	2	54	1
40	53	1	55	0
40½	54	0	55	2
41	54	2	56	1
41½	55	1	57	0
42	56	0	57	3
42½	56	2	58	1
43	57	1	59	0
43½	58	0	59	3
44	58	2	60	2
44½	59	1	61	0
45	60	0	61	3
45½	60	2	62	2
46	61	1	63	1
46½	62	0	63	3
47	62	2	64	2
47½	63	1	65	1
48	64	0	66	0
48½	64	2	66	2
49	65	1	67	1
49½	66	0	68	0
50	66	2	68	3

Feet long	Inches Broad. 17		17½	
	F.	Q.	F.	Q
1	1	1	1	1
1½	2	0	2	0
2	2	3	2	3
2½	3	2	3	2
3	4	1	4	1
3½	4	3	5	0
4	5	2	5	3
4½	6	1	6	2
5	7	0	7	1
5½	7	3	8	0
6	8	2	8	3
6½	9	0	9	1
7	9	3	10	0
7½	10	2	10	3
8	11	1	11	2
8½	12	0	12	1
9	12	3	13	0
9½	13	1	13	3
10	14	0	14	2
10½	14	3	15	1
11	15	2	16	0
11½	16	1	16	3
12	17	0	17	2
12½	17	2	18	0
13	18	1	18	3
13½	19	0	19	2
14	19	3	20	1
14½	20	2	21	0
15	21	1	21	3
15½	21	3	22	2
16	22	2	23	1
16½	23	1	24	0
17	24	0	24	3
17½	24	3	25	2
18	25	2	26	1
18½	26	0	26	3
19	26	3	27	2
19½	27	2	28	1
20	28	1	29	0
20½	29	0	29	3
21	29	3	30	2
21½	30	1	31	1
22	31	0	32	0
22½	31	3	32	3
23	32	2	33	2
23½	33	1	34	1
24	34	0	35	0
24½	34	2	35	2
25	35	1	36	1
25½	36	0	37	0

Feet long	Inches Broad. 17		17½	
	F.	Q.	F.	Q.
26	36	3	37	3
26½	37	2	38	2
27	38	1	39	1
27½	38	3	40	0
28	39	2	40	3
28½	40	1	41	2
29	41	0	42	1
29½	41	3	43	0
30	42	2	43	3
30½	43	0	44	1
31	43	3	45	0
31½	44	2	45	3
32	45	1	46	2
32½	46	0	47	1
33	46	3	48	0
33½	47	1	48	3
34	48	0	49	2
34½	48	3	50	1
35	49	2	51	0
35½	50	1	51	3
36	51	0	52	2
36½	51	2	53	0
37	52	1	53	3
37½	53	0	54	2
38	53	3	55	1
38½	54	2	56	0
39	55	1	56	3
39½	55	3	57	2
40	56	2	58	1
40½	57	1	59	0
41	58	0	59	3
41½	58	3	60	2
42	59	2	61	1
42½	60	0	61	3
43	60	3	62	2
43½	61	2	63	1
44	62	1	64	0
44½	63	0	64	3
45	63	3	65	2
45½	64	1	66	1
46	65	0	67	0
46½	65	3	67	3
47	66	2	68	2
47½	67	1	69	1
48	68	0	70	0
48½	68	2	70	2
49	69	1	71	1
49½	70	0	72	0
50	70	3	72	3

Feet long	Inches Broad. 18		18½	
	F.	Q.	F.	Q.
1	1	2	1	2
1½	2	1	2	1
2	3	0	3	0
2½	3	3	3	3
3	4	2	4	2
3½	5	1	5	1
4	6	0	6	0
4½	6	3	6	3
5	7	2	7	2
5½	8	1	8	1
6	9	0	9	1
6½	9	3	10	0
7	10	2	10	3
7½	11	1	11	2
8	12	0	12	1
8½	12	3	13	0
9	13	2	13	3
9½	14	1	14	2
10	15	0	15	1
10½	15	3	16	0
11	16	2	16	3
11½	17	1	17	2
12	18	0	18	2
12½	18	3	19	1
13	19	2	20	0
13½	20	1	20	3
14	21	0	21	2
14½	21	3	22	1
15	22	2	23	0
15½	23	1	23	3
16	24	0	24	2
16½	24	3	25	1
17	25	2	26	0
17½	26	1	26	3
18	27	0	27	3
18½	27	3	28	2
19	28	2	29	1
19½	29	1	30	0
20	30	0	30	3
20½	30	3	31	2
21	31	2	32	1
21½	32	1	33	0
22	33	0	33	3
22½	33	3	34	2
23	34	2	35	1
23½	35	1	36	0
24	36	0	37	0
24½	36	3	37	3
25	37	2	38	2
25½	38	1	39	1

Feet long	Inches Broad. 18		18½	
	F.	Q.	F.	Q.
26	39	0	40	0
26½	39	3	40	3
27	40	2	41	2
27½	41	1	42	1
28	42	0	43	0
28½	42	3	43	3
29	43	2	44	2
29½	44	1	45	1
30	45	0	46	1
30½	45	3	47	0
31	46	2	47	3
31½	47	1	48	2
32	48	0	49	1
32½	48	3	50	0
33	49	2	50	3
33½	50	1	51	2
34	51	0	52	1
34½	51	3	53	0
35	52	2	53	3
35½	53	1	54	2
36	54	0	55	2
36½	54	3	56	1
37	55	2	57	0
37½	56	1	57	3
38	57	0	58	2
38½	57	3	59	1
39	58	2	60	0
39½	59	1	60	3
40	60	0	61	2
40½	60	3	62	1
41	61	2	63	0
41½	62	1	63	3
42	63	0	64	3
42½	63	3	65	2
43	64	2	66	1
43½	65	1	67	0
44	66	0	67	3
44½	66	3	68	2
45	67	2	69	1
45½	68	1	70	0
46	69	0	70	3
46½	69	3	71	2
47	70	2	72	1
47½	71	1	73	0
48	72	0	74	0
48½	72	3	74	3
49	73	2	75	2
49½	74	1	76	1
50	75	0	77	0

Feet long	Inches Broad. 19 F.	19 Q.	19½ F.	19½ Q.
1	1	2	1	2
1½	2	1	2	1
2	3	0	3	1
2½	3	3	4	0
3	4	3	4	3
3½	5	2	5	2
4	6	1	6	2
4½	7	0	7	1
5	7	3	8	0
5½	8	2	8	3
6	9	2	9	3
6½	10	1	10	2
7	11	0	11	1
7½	11	3	12	0
8	12	2	13	0
8½	13	1	13	3
9	14	1	14	2
9½	15	0	15	1
10	15	3	16	1
10½	16	2	17	0
11	17	1	17	3
11½	18	0	18	2
12	19	0	19	2
12½	19	3	20	1
13	20	2	21	0
13½	21	1	21	3
14	22	0	22	3
14½	22	3	23	2
15	23	3	24	1
15½	24	2	25	0
16	25	1	26	0
16½	26	0	26	3
17	26	3	27	2
17½	27	2	28	1
18	28	2	29	1
18½	29	1	30	0
19	30	0	30	3
19½	30	3	31	2
20	31	2	32	2
20½	32	1	33	1
21	33	1	34	0
21½	34	0	34	3
22	34	3	35	3
22½	35	2	36	2
23	36	1	37	1
23½	37	0	38	0
24	38	0	39	0
24½	38	3	39	3
25	39	2	40	2
25½	40	1	41	1

Feet long	Inches Broad. 19 F.	19 Q.	19½ F.	19½ Q.
26	41	0	42	1
26½	41	3	43	0
27	42	3	43	3
27½	43	2	44	2
28	44	1	45	2
28½	45	0	46	1
29	45	3	47	0
29½	46	2	47	3
30	47	2	48	3
30½	48	1	49	2
31	49	0	50	1
31½	49	3	51	0
32	50	2	52	0
32½	51	1	52	3
33	52	1	53	2
33½	53	0	54	1
34	53	3	55	1
34½	54	2	56	0
35	55	1	56	3
35½	56	0	57	2
36	57	0	58	2
36½	57	3	59	1
37	58	2	60	0
37½	59	1	60	3
38	60	0	61	3
38½	60	3	62	2
39	61	3	63	1
39½	62	2	64	0
40	63	1	65	0
40½	64	0	65	3
41	64	3	66	2
41½	65	2	67	1
42	66	2	68	1
42½	67	1	69	0
43	68	0	69	3
43½	68	3	70	2
44	69	2	71	2
44½	70	1	72	1
45	71	1	73	0
45½	72	0	73	3
46	72	3	74	3
46½	73	2	75	2
47	74	1	76	1
47½	75	0	77	0
48	76	0	78	0
48½	76	3	78	3
49	77	2	79	2
49½	78	1	80	1
50	79	0	81	1

Feet long	Inches Broad. 20 F.	20 Q.	20½ F.	20½ Q.
1	1	2	1	2
1½	2	2	2	2
2	3	1	3	1
2½	4	0	4	1
3	5	0	5	0
3½	5	3	5	3
4	6	2	6	3
4½	7	2	7	2
5	8	1	8	2
5½	9	0	9	1
6	10	0	10	1
6½	10	3	11	0
7	11	2	11	3
7½	12	2	12	3
8	13	1	13	2
8½	14	0	14	2
9	15	0	15	1
9½	15	3	16	0
10	16	2	17	0
10½	17	2	17	3
11	18	1	18	3
11½	19	0	19	2
12	20	0	20	2
12½	20	3	21	1
13	21	2	22	0
13½	22	2	23	0
14	23	1	23	3
14½	24	0	24	3
15	25	0	25	2
15½	25	3	26	1
16	26	2	27	1
16½	27	2	28	0
17	28	1	29	0
17½	29	0	29	3
18	30	0	30	3
18½	30	3	31	2
19	31	2	32	1
19½	32	2	33	1
20	33	1	34	0
20½	34	0	35	0
21	35	0	35	3
21½	35	3	36	2
22	36	2	37	2
22½	37	2	38	1
23	38	1	39	1
23½	39	0	40	0
24	40	0	41	0
24½	40	3	41	3
25	41	2	42	2
25½	42	2	43	2

Feet long	Inches Broad. 20 F.	20 Q.	20½ F.	20½ Q.
26	43	1	44	1
26½	44	0	45	1
27	45	0	46	0
27½	45	3	46	3
28	46	2	47	3
28½	47	2	48	2
29	48	1	49	2
29½	49	0	50	1
30	50	0	51	1
30½	50	3	52	0
31	51	2	52	3
31½	52	2	53	3
32	53	1	54	2
32½	54	0	55	2
33	55	0	56	1
33½	55	3	57	0
34	56	2	58	0
34½	57	2	58	3
35	58	1	59	3
35½	59	0	60	2
36	60	0	61	2
36½	60	3	62	1
37	61	2	63	0
37½	62	2	64	0
38	63	1	64	3
38½	64	0	65	3
39	65	0	66	2
39½	65	3	67	1
40	66	2	68	1
40½	67	2	69	0
41	68	1	70	0
41½	69	0	70	3
42	70	0	71	3
42½	70	3	72	2
43	71	2	73	1
43½	72	2	74	1
44	73	1	75	0
44½	74	0	76	0
45	75	0	76	3
45½	75	3	77	2
46	76	2	78	2
46½	77	2	79	1
47	78	1	80	1
47½	79	0	81	0
48	80	0	82	0
48½	80	3	82	3
49	81	2	83	2
49½	82	2	84	2
50	83	1	85	1

Feet long	Inches Broad. 21 F.	21 Q.	21½ F.	21½ Q.
1	1	3	1	3
1½	2	2	2	2
2	3	2	3	2
2½	4	1	4	1
3	5	1	5	1
3½	6	0	6	1
4	7	0	7	0
4½	7	3	8	0
5	8	3	8	3
5½	9	2	9	3
6	10	2	10	3
6½	11	1	11	2
7	12	1	12	2
7½	13	0	13	1
8	14	0	14	1
8½	14	3	15	0
9	15	3	16	0
9½	16	2	17	0
10	17	2	17	3
10½	18	1	18	3
11	19	1	19	2
11½	20	0	20	2
12	21	0	21	2
12½	21	3	22	1
13	22	3	23	1
13½	23	2	24	0
14	24	2	25	0
14½	25	1	25	3
15	26	1	26	3
15½	27	0	27	3
16	28	0	28	2
16½	28	3	29	2
17	29	3	30	1
17½	30	2	31	1
18	31	2	32	1
18½	32	1	33	0
19	33	1	34	0
19½	34	0	34	3
20	35	0	35	3
20½	35	3	36	2
21	36	3	37	2
21½	37	2	38	2
22	38	2	39	1
22½	39	1	40	1
23	40	1	41	0
23½	41	0	42	0
24	42	0	43	0
24½	42	3	43	3
25	43	3	44	3
25½	44	2	45	2

Feet long	Inches Broad. 21 F.	21 Q.	21½ F.	21½ Q.
26	45	2	46	2
26½	46	1	47	1
27	47	1	48	1
27½	48	0	49	1
28	49	0	50	0
28½	49	3	51	0
29	50	3	51	3
29½	51	2	52	3
30	52	2	53	3
30½	53	1	54	2
31	54	1	55	2
31½	55	0	56	1
32	56	0	57	1
32½	56	3	58	0
33	57	3	59	0
33½	58	2	60	0
34	59	2	60	3
34½	60	1	61	3
35	61	1	62	2
35½	62	0	63	2
36	63	0	64	2
36½	63	3	65	1
37	64	3	66	1
37½	65	2	67	0
38	66	2	68	0
38½	67	1	68	3
39	68	1	69	3
39½	69	0	70	3
40	70	0	71	2
40½	70	3	72	2
41	71	3	73	1
41½	72	2	74	1
42	73	2	75	1
42½	74	1	76	0
43	75	1	77	0
43½	76	0	77	3
44	77	0	78	3
44½	77	3	79	2
45	78	3	80	2
45½	79	2	81	2
46	80	2	82	1
46½	81	1	83	1
47	82	1	84	0
47½	83	0	85	0
48	84	0	86	0
48½	84	3	86	3
49	85	3	87	3
49½	86	2	88	2
50	87	2	89	2

Feet long	Inches Broad. 22		22½	
	F.	Q.	F.	Q.
1	1	3	1	3
1½	2	3	2	3
2	3	2	3	3
2½	4	2	4	2
3	5	2	5	2
3½	6	1	6	2
4	7	1	7	2
4½	8	1	8	1
5	9	0	9	1
5½	10	0	10	1
6	11	0	11	1
6½	11	3	12	0
7	12	3	13	0
7½	13	3	14	0
8	14	2	15	0
8½	15	2	15	3
9	16	2	16	3
9½	17	1	17	3
10	18	1	18	3
10½	19	1	19	2
11	20	0	20	2
11½	21	0	21	2
12	22	0	22	2
12½	22	3	23	1
13	23	3	24	1
13½	24	3	25	1
14	25	2	26	1
14½	26	2	27	0
15	27	2	28	0
15½	28	1	29	0
16	29	1	30	0
16½	30	1	30	3
17	31	0	31	3
17½	32	0	32	3
18	33	0	33	3
18½	33	3	34	2
19	34	3	35	2
19½	35	3	36	2
20	36	2	37	2
20½	37	2	38	1
21	38	2	39	1
21½	39	1	40	1
22	40	1	41	1
22½	41	1	42	0
23	42	0	43	0
23½	43	0	44	0
24	44	0	45	0
24½	44	3	45	3
25	45	3	46	3
25½	46	3	47	3

Feet long	Inches Broad. 22½		22½	
	F.	Q.	F.	Q.
26	47	2	48	3
26½	48	2	49	2
27	49	2	50	2
27½	50	1	51	2
28	51	1	52	2
28½	52	1	53	1
29	53	0	54	1
29½	54	0	55	1
30	55	0	56	1
30½	55	3	57	0
31	56	3	58	0
31½	57	3	59	0
32	58	2	60	0
32½	59	2	60	3
33	60	2	61	3
33½	61	1	62	3
34	62	1	63	3
34½	63	1	64	2
35	64	0	65	2
35½	65	0	66	2
36	66	0	67	2
36½	66	3	68	1
37	67	3	69	1
37½	68	3	70	1
38	69	2	71	1
38½	70	2	72	0
39	71	2	73	0
39½	72	1	74	0
40	73	1	75	0
40½	74	1	75	3
41	75	0	76	3
41½	76	0	77	3
42	77	0	78	3
42½	77	3	79	2
43	78	3	80	2
43½	79	3	81	2
44	80	2	82	2
44½	81	2	83	1
45	82	2	84	1
45½	83	1	85	1
46	84	1	86	1
46½	85	1	87	0
47	86	0	88	0
47½	87	0	89	0
48	88	0	90	0
48½	88	3	90	3
49	89	3	91	3
49½	90	3	92	3
50	91	2	93	3

Feet long	Inches Broad. 23 F.	23 Q.	23½ F.	23½ Q.
1	1	3	1	3
1½	2	3	2	3
2	3	3	3	3
2½	4	3	4	3
3	5	3	5	3
3½	6	2	6	3
4	7	2	7	3
4½	8	2	8	3
5	9	2	9	3
5½	10	2	10	3
6	11	2	11	3
6½	12	1	12	2
7	13	1	13	2
7½	14	1	14	2
8	15	1	15	2
8½	16	1	16	2
9	17	1	17	2
9½	18	0	18	2
10	19	0	19	2
10½	20	0	20	2
11	21	0	21	2
11½	22	0	22	2
12	23	0	23	2
12½	23	3	24	1
13	24	3	25	1
13½	25	3	26	1
14	26	3	27	1
14½	27	3	28	1
15	28	3	29	1
15½	29	2	30	1
16	30	2	31	1
16½	31	2	32	1
17	32	2	33	1
17½	33	2	34	1
18	34	2	35	1
18½	35	1	36	0
19	36	1	37	0
19½	37	1	38	0
20	38	1	39	0
20½	39	1	40	0
21	40	1	41	0
21½	41	0	42	0
22	42	0	43	0
22½	43	0	44	0
23	44	0	45	0
23½	45	0	46	0
24	46	0	47	0
24½	46	3	47	3
25	47	3	48	3
25½	48	3	49	3

Feet long	Inches Broad. 23 F.	23 Q.	23½ F.	23½ Q.
26	49	3	50	3
26½	50	3	51	3
27	51	3	52	3
27½	52	2	53	3
28	53	2	54	3
28½	54	2	55	3
29	55	2	56	3
29½	56	2	57	3
30	57	2	58	3
30½	58	1	59	2
31	59	1	60	2
31½	60	1	61	2
32	61	1	62	2
32½	62	1	63	2
33	63	1	64	2
33½	64	0	65	2
34	65	0	66	2
34½	66	0	67	2
35	67	0	68	2
35½	68	0	69	2
36	69	0	70	2
36½	69	3	71	1
37	70	3	72	1
37½	71	3	73	1
38	72	3	74	1
38½	73	3	75	1
39	74	3	76	1
39½	75	2	77	1
40	76	2	78	1
40½	77	2	79	1
41	78	2	80	1
41½	79	2	81	1
42	80	2	82	1
42½	81	1	83	0
43	82	1	84	0
43½	83	1	85	0
44	84	1	86	0
44½	85	1	87	0
45	86	1	88	0
45½	87	0	89	0
46	88	0	90	0
46½	89	0	91	0
47	90	0	92	0
47½	91	0	93	0
48	92	0	94	0
48½	92	3	94	3
49	93	3	95	3
49½	94	3	96	3
50	95	3	97	3

Feet long	Inches Broad. 24		24½	
	F.	Q.	F.	Q.
1	2	0	2	0
1½	3	0	3	0
2	4	0	4	0
2½	5	0	5	0
3	6	0	6	0
3½	7	0	7	0
4	8	0	8	0
4½	9	0	9	0
5	10	0	10	0
5½	11	0	11	0
6	12	0	12	1
6½	13	0	13	1
7	14	0	14	1
7½	15	0	15	1
8	16	0	16	1
8½	17	0	17	1
9	18	0	18	1
9½	19	0	19	1
10	20	0	20	1
10½	21	0	21	1
11	22	0	22	1
11½	23	0	23	1
12	24	0	24	2
12½	25	0	25	2
13	26	0	26	2
13½	27	0	27	2
14	28	0	28	2
14½	29	0	29	2
15	30	0	30	2
15½	31	0	31	2
16	32	0	32	2
16½	33	0	33	2
17	34	0	34	2
17½	35	0	35	2
18	36	0	36	3
18½	37	0	37	3
19	38	0	38	3
19½	39	0	39	3
20	40	0	40	3
20½	41	0	41	3
21	42	0	42	3
21½	43	0	43	3
22	44	0	44	3
22½	45	0	45	3
23	46	0	46	3
23½	47	0	47	3
24	48	0	49	0
24½	49	0	50	0
25	50	0	51	0
25½	51	0	52	0

Feet long	Inches Broad. 24		24½	
	F.	Q.	F.	Q.
26	52	0	53	0
26½	53	0	54	0
27	54	0	55	0
27½	55	0	56	0
28	56	0	57	0
28½	57	0	58	0
29	58	0	59	0
29½	59	0	60	0
30	60	0	61	1
30½	61	0	62	1
31	62	0	63	1
31½	63	0	64	1
32	64	0	65	1
32½	65	0	66	1
33	66	0	67	1
33½	67	0	68	1
34	68	0	69	1
34½	69	0	70	1
35	70	0	71	1
35½	71	0	72	1
36	72	0	73	2
36½	73	0	74	2
37	74	0	75	2
37½	75	0	76	2
38	76	0	77	2
38½	77	0	78	2
39	78	0	79	2
39½	79	0	80	2
40	80	0	81	2
40½	81	0	82	2
41	82	0	83	2
41½	83	0	84	2
42	84	0	85	3
42½	85	0	86	3
43	86	0	87	3
43½	87	0	88	3
44	88	0	89	3
44½	89	0	90	3
45	90	0	91	3
45½	91	0	92	3
46	92	0	93	3
46½	93	0	94	3
47	94	0	95	3
47½	95	0	96	3
48	96	0	98	0
48½	97	0	99	0
49	98	0	100	0
49½	99	0	101	0
50	100	0	102	0

Feet long	Inches Broad. 25		25½	
	F.	Q.	F.	Q.
1	2	0	2	0
1½	3	0	3	0
2	4	0	4	1
2½	5	0	5	1
3	6	1	6	1
3½	7	1	7	1
4	8	1	8	2
4½	9	1	9	2
5	10	1	10	2
5½	11	1	11	2
6	12	2	12	3
6½	13	2	13	3
7	14	2	14	3
7½	15	2	15	3
8	16	2	17	0
8½	17	2	18	0
9	18	3	19	0
9½	19	3	20	0
10	20	3	21	1
10½	21	3	22	1
11	22	3	23	1
11½	23	3	24	1
12	25	0	25	2
12½	26	0	26	2
13	27	0	27	2
13½	28	0	28	2
14	29	0	29	3
14½	30	0	30	3
15	31	1	31	3
15½	32	1	32	3
16	33	1	34	0
16½	34	1	35	0
17	35	1	36	0
17½	36	1	37	0
18	37	2	38	1
18½	38	2	39	1
19	39	2	40	1
19½	40	2	41	1
20	41	2	42	2
20½	42	2	43	2
21	43	3	44	2
21½	44	3	45	2
22	45	3	46	3
22½	46	3	47	3
23	47	3	48	3
23½	48	3	49	3
24	50	0	51	0
24½	51	0	52	0
25	52	0	53	0
25½	53	0	54	0

Feet long	Inches Broad. 25		25½	
	F.	Q.	F.	Q.
26	54	0	55	1
26½	55	0	56	1
27	56	1	57	1
27½	57	1	58	1
28	58	1	59	2
28½	59	1	60	2
29	60	1	61	2
29½	61	1	62	2
30	62	2	63	3
30½	63	2	64	3
31	64	2	65	3
31½	65	2	66	3
32	66	2	68	0
32½	67	2	69	0
33	68	3	70	0
33½	69	3	71	0
34	70	3	72	1
34½	71	3	73	1
35	72	3	74	1
35½	73	3	75	1
36	75	0	76	2
36½	76	0	77	2
37	77	0	78	2
37½	78	0	79	2
38	79	0	80	3
38½	80	0	81	3
39	81	1	82	3
39½	82	1	83	3
40	83	1	85	0

Feet long	Inches Broad. 26		26½	
	F.	Q.	F.	Q.
1	2	0	2	0
1½	3	1	3	1
2	4	1	4	1
2½	5	1	5	2
3	6	2	6	2
3½	7	2	7	2
4	8	2	8	3
4½	9	3	9	3
5	10	3	11	0
5½	11	3	12	0
6	13	0	13	1
6½	14	0	14	1
7	15	0	15	1
7½	16	1	16	2
8	17	1	17	2
8½	18	1	18	3
9	19	2	19	3
9½	20	2	20	3
10	21	2	22	0
10½	22	3	23	0
11	23	3	24	1
11½	24	3	25	1
12	26	0	26	2
12½	27	0	27	2
13	28	0	28	2
13½	29	1	29	3
14	30	1	30	3
14½	31	1	32	0
15	32	2	33	0
15½	33	2	34	0
16	34	2	35	1
16½	35	3	36	1
17	36	3	37	2
17½	37	3	38	2
18	39	0	39	3
18½	40	0	40	3
19	41	0	41	3
19½	42	1	43	0
20	43	1	44	0
20½	44	1	45	1
21	45	2	46	1
21½	46	2	47	1
22	47	2	48	2
22½	48	3	49	2
23	49	3	50	3
23½	50	3	51	3
24	52	0	53	0
24½	53	0	54	0
25	54	0	55	0
25½	55	1	56	1

Feet long	Inches Broad. 26		26½	
	F.	Q.	F.	Q.
26	56	1	57	1
26½	57	1	58	2
27	58	2	59	2
27½	59	2	60	2
28	60	2	61	3
28½	61	3	62	3
29	62	3	64	0
29½	63	3	65	0
30	65	0	66	1
30½	66	0	67	1
31	67	0	68	1
31½	68	1	69	2
32	69	1	70	2
32½	70	1	71	3
33	71	2	72	3
33½	72	2	73	3
34	73	2	75	0
34½	74	3	76	0
35	75	3	77	1
35½	76	3	78	1
36	78	0	79	2
36½	79	0	80	2
37	80	0	81	2
37½	81	1	82	3
38	82	1	83	3
38½	83	1	85	0
39	84	2	86	0
39½	85	2	87	0
40	86	2	88	1

Feet long	Inches Broad. 27		27½	
	F.	Q.	F.	Q.
1	2	1	2	1
1½	3	1	3	1
2	4	2	4	2
2½	5	2	5	2
3	6	3	6	3
3½	7	3	8	0
4	9	0	9	0
4½	10	0	10	1
5	11	1	11	1
5½	12	1	12	2
6	13	2	13	3
6½	14	2	14	3
7	15	3	16	0
7½	16	3	17	0
8	18	0	18	1
8½	19	0	19	1
9	20	1	20	2
9½	21	1	21	3
10	22	2	22	3
10½	23	2	24	0
11	24	3	25	0
11½	25	3	26	1
12	27	0	27	2
12½	28	0	28	2
13	29	1	29	3
13½	30	1	30	3
14	31	2	32	0
14½	32	2	33	0
15	33	3	34	1
15½	34	3	35	2
16	36	0	36	2
16½	37	0	37	3
17	38	1	38	3
17½	39	1	40	0
18	40	2	41	1
18½	41	2	42	1
19	42	3	43	2
19½	43	3	44	2
20	45	0	45	3
20½	46	0	46	3
21	47	1	48	0
21½	48	1	49	1
22	49	2	50	1
22½	50	2	51	2
23	51	3	52	2
23½	52	3	53	3
24	54	0	55	0
24½	55	0	56	0
25	56	1	57	1
25½	57	1	58	1

Feet long	Inches Broad. 27		27½	
	F.	Q	F.	Q.
26	58	2	59	2
26½	59	2	60	2
27	60	3	61	3
27½	61	3	63	0
28	63	0	64	0
28½	64	0	65	1
29	65	1	66	1
29½	66	1	67	2
30	67	2	68	3
30½	68	2	69	3
31	69	3	71	0
31½	70	3	72	0
32	72	0	73	1
32½	73	0	74	1
33	74	1	75	2
33½	75	1	76	3
34	76	2	77	3
34½	77	2	79	0
35	78	3	80	0
35½	79	3	81	1
36	81	0	82	2
36½	82	0	83	2
37	83	1	84	3
37½	84	1	85	3
38	85	2	87	0
38½	86	2	88	0
39	87	3	89	1
39½	88	3	90	2
40	90	0	91	2

Feet long	Inches Broad. 28		28½	
	F.	Q.	F.	Q.
1	2	1	2	1
1½	3	2	3	2
2	4	2	4	3
2½	5	3	5	3
3	7	0	7	0
3½	8	0	8	1
4	9	1	9	2
4½	10	2	10	2
5	11	2	11	3
5½	12	3	13	0
6	14	0	14	1
6½	15	0	15	1
7	16	1	16	2
7½	17	2	17	3
8	18	2	19	0
8½	19	3	20	0
9	21	0	21	1
9½	22	0	22	2
10	23	1	23	3
10½	24	2	24	3
11	25	2	26	0
11½	26	3	27	1
12	28	0	28	2
12½	29	0	29	2
13	30	1	30	3
13½	31	2	32	0
14	32	2	33	1
14½	33	3	34	1
15	35	0	35	2
15½	36	0	36	3
16	37	1	38	0
16½	38	2	39	0
17	39	2	40	1
17½	40	3	41	2
18	42	0	42	3
18½	43	0	43	3
19	44	1	45	0
19½	45	2	46	1
20	46	2	47	2
20½	47	3	48	2
21	49	0	49	3
21½	50	0	51	0
22	51	1	52	1
22½	52	2	53	1
23	53	2	54	2
23½	54	3	55	3
24	56	0	57	0
24½	57	0	58	0
25	58	1	59	1
25½	59	2	60	2

Feet long	Inches Broad. 28		28½	
	F.	Q	F.	Q
26	60	2	61	3
26½	61	3	62	3
27	63	0	64	0
27½	64	0	65	1
28	65	1	66	2
28½	66	2	67	2
29	67	2	68	3
29½	68	3	70	0
30	70	0	71	1
30½	71	0	72	1
31	72	1	73	2
31½	73	2	74	3
32	74	2	76	0
32½	75	3	77	0
33	77	0	78	1
33½	78	0	79	2
34	79	1	80	3
34½	80	2	81	3
35	81	2	83	0
35½	82	3	84	1
36	84	0	85	2
36½	85	0	86	2
37	86	1	87	3
37½	87	2	89	0
38	88	2	90	1
38½	89	3	91	1
39	91	0	92	2
39½	92	0	93	3
40	93	1	95	0

Feet long	Inches Broad. 29 F.	29 Q.	29½ F.	29½ Q.
1	2	1	2	1
1½	3	2	3	2
2	4	3	4	3
2½	6	0	6	0
3	7	1	7	1
3½	8	1	8	2
4	9	2	9	3
4½	10	3	11	0
5	12	0	12	1
5½	13	1	13	2
6	14	2	14	3
6½	15	2	15	3
7	16	3	17	0
7½	18	0	18	1
8	19	1	19	2
8½	20	2	20	3
9	21	3	22	0
9½	22	3	23	1
10	24	0	24	2
10½	25	1	25	3
11	26	2	27	0
11½	27	3	28	1
12	29	0	29	2
12½	30	0	30	2
13	31	1	31	3
13½	32	2	33	0
14	33	3	34	1
14½	35	0	35	2
15	36	1	36	3
15½	37	1	38	0
16	38	2	39	1
16½	39	3	40	2
17	41	0	41	3
17½	42	1	43	0
18	43	2	44	1
18½	44	2	45	1
19	45	3	46	2
19½	47	0	47	3
20	48	1	49	0
20½	49	2	50	1
21	50	3	51	2
21½	51	3	52	3
22	53	0	54	0
22½	54	1	55	1
23	55	2	56	2
23½	56	3	57	3
24	58	0	59	0
24½	59	0	60	0
25	60	1	61	1
25½	61	2	62	2

Feet long	Inches Broad. 29 F.	29 Q.	29½ F.	29½ Q.
26	62	3	63	3
26½	64	0	65	0
27	65	1	66	1
27½	66	1	67	2
28	67	2	68	3
28½	68	3	70	0
29	70	0	71	1
29½	71	1	72	1
30	72	2	73	3
30½	73	2	74	3
31	74	3	76	0
31½	76	0	77	1
32	77	1	78	2
32½	78	2	79	3
33	79	3	81	0
33½	80	3	82	1
34	82	0	83	2
34½	83	1	84	3
35	84	2	86	0
35½	85	3	87	0
36	87	0	88	2
36½	88	0	89	2
37	89	1	90	3
37½	90	2	92	0
38	91	3	93	1
38½	93	0	94	2
39	94	1	95	3
39½	95	1	97	0
40	96	2	98	1

Feet long	Inches Broad. 30 F.	30 Q.	30½ F.	30½ Q.
1	2	2	2	2
1½	3	3	3	3
2	5	0	5	0
2½	6	1	6	1
3	7	2	7	2
3½	8	3	8	3
4	10	0	10	0
4½	11	1	11	1
5	12	2	12	2
5½	13	3	13	3
6	15	0	15	1
6½	16	1	16	2
7	17	2	17	3
7½	18	3	19	0
8	20	0	20	1
8½	21	1	21	2
9	22	2	22	3
9½	23	3	24	0
10	25	0	25	1
10½	26	1	26	2
11	27	2	27	3
11½	28	3	29	0
12	30	0	30	2
12½	31	1	31	3
13	32	2	33	0
13½	33	3	34	1
14	35	0	35	2
14½	36	1	36	3
15	37	2	38	0
15½	38	3	39	1
16	40	0	40	2
16½	41	1	41	3
17	42	2	43	0
17½	43	3	44	1
18	45	0	45	3
18½	46	1	47	0
19	47	2	48	1
19½	48	3	49	2
20	50	0	50	3
20½	51	1	52	0
21	52	2	53	1
21½	53	3	54	2
22	55	0	55	3
22½	56	1	57	0
23	57	2	58	1
23½	58	3	59	2
24	60	0	61	0
24½	61	1	62	1
25	62	2	63	2
25½	63	3	64	3

Feet long	Inches Broad. 30 F.	30 Q.	30½ F.	30½ Q.
26	65	0	66	0
26½	66	1	67	1
27	67	2	68	2
27½	68	3	69	3
28	70	0	71	0
28½	71	1	72	1
29	72	2	73	2
29½	73	3	74	3
30	75	0	76	1
30½	76	1	77	2
31	77	2	78	3
31½	78	3	80	0
32	80	0	81	1
32½	81	1	82	2
33	82	2	83	3
33½	83	3	85	0
34	85	0	86	1
34½	86	1	87	2
35	87	2	88	3
35½	88	3	90	0
36	90	0	91	2
36½	91	1	92	3
37	92	2	94	0
37½	93	3	95	1
38	95	0	96	2
38½	96	1	97	3
39	97	2	99	0
39½	98	3	100	1
40	100	0	101	2

Feet long	Inches Broad. 31		31½		32		32½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	2	2	2	2	2	2	2
1½	3	3	3	3	4	0	4	0
2	5	0	5	1	5	1	5	1
2½	6	1	6	2	6	2	6	3
3	7	3	7	3	8	0	8	0
3½	9	0	9	0	9	1	9	1
4	10	1	10	2	10	2	10	3
4½	11	2	11	3	12	0	12	0
5	12	3	13	0	13	1	13	2
5½	14	0	14	1	14	2	14	3
6	15	2	15	3	16	0	16	1
6½	16	3	17	0	17	1	17	2
7	18	0	18	1	18	2	18	3
7½	19	1	19	2	20	0	20	1
8	20	2	21	0	21	1	21	2
8½	21	3	22	1	22	2	23	0
9	23	1	23	2	24	0	24	1
9½	24	2	24	3	25	1	25	2
10	25	3	26	1	26	2	27	0
10½	27	0	27	2	28	0	28	1
11	28	1	28	3	29	1	29	3
11½	29	2	30	0	30	2	31	0
12	31	0	31	2	32	0	32	2
12½	32	1	32	3	33	1	33	3
13	33	2	34	0	34	2	35	0
13½	34	3	35	1	36	0	36	2
14	36	0	36	3	37	1	37	3
14½	37	1	38	0	38	2	39	1
15	38	3	39	1	40	0	40	2
15½	40	0	40	2	41	1	41	3
16	41	1	42	0	42	2	43	1
16½	42	2	43	1	44	0	44	2
17	43	3	44	2	45	1	46	0
17½	45	0	45	3	46	2	47	1
18	46	2	47	1	48	0	48	3
18½	47	3	48	2	49	1	50	0
19	49	0	49	3	50	2	51	1
19½	50	1	51	0	52	0	52	3
20	51	2	52	2	53	1	54	0
20½	52	3	53	3	54	2	55	2
21	54	1	55	0	56	0	56	3
21½	55	2	56	1	57	1	58	0
22	56	3	57	3	58	2	59	2
22½	58	0	59	0	60	0	60	3
23	59	1	60	1	61	1	62	1
23½	60	2	61	2	62	2	63	2
24	62	0	63	0	64	0	65	0
24½	63	1	64	1	65	1	66	1
25	64	2	65	2	66	2	67	2

Feet long	Inches Broad. 33		33½		34		34½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	3	2	3	2	3	2	3
1½	4	0	4	0	4	1	4	1
2	5	1	5	2	5	2	5	3
2½	6	3	6	3	7	0	7	0
3	8	1	8	1	8	2	8	2
3½	9	2	9	3	9	3	10	0
4	11	0	11	0	11	1	11	2
4½	12	1	12	2	12	3	12	3
5	13	3	13	3	14	0	14	1
5½	15	0	15	1	15	2	15	3
6	16	2	16	3	17	0	17	1
6½	17	3	18	0	18	1	18	2
7	19	1	19	2	19	3	20	0
7½	20	2	20	3	21	1	21	2
8	22	0	22	1	22	2	23	0
8½	23	1	23	2	24	0	24	1
9	24	3	25	0	25	2	25	3
9½	26	0	26	2	26	3	27	1
10	27	2	27	3	28	1	28	3
10½	28	3	29	1	29	3	30	0
11	30	1	30	2	31	0	31	2
11½	31	2	32	0	32	2	33	0
12	33	0	33	2	34	0	34	2
12½	34	1	34	3	35	1	35	3
13	35	3	36	1	36	3	37	1
13½	37	0	37	2	38	1	38	3
14	38	2	39	0	39	2	40	1
14½	39	3	40	1	41	0	41	2
15	41	1	41	3	42	2	43	0
15½	42	2	43	1	43	3	44	2
16	44	0	44	2	45	1	46	0
16½	45	1	46	0	46	3	47	1
17	46	3	47	1	48	0	48	3
17½	48	0	48	3	49	2	50	1
18	49	2	50	1	51	0	51	3
18½	50	3	51	2	52	1	53	0
19	52	1	53	0	53	3	54	2
19½	53	2	54	1	55	1	56	0
20	55	0	55	3	56	2	57	2
20½	56	1	57	0	58	0	58	3
21	57	3	58	2	59	2	60	1
21½	59	0	60	0	60	3	61	3
22	60	2	61	1	62	1	63	1
22½	61	3	62	3	63	3	64	2
23	63	1	64	0	65	0	66	0
23½	64	2	65	2	66	2	67	2
24	66	0	67	0	68	0	69	0
24½	67	1	68	1	69	1	70	1
25	68	3	69	3	70	3	71	3

Feet long	Inches Broad. 35		35½		36		36½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	2	3	2	3	3	0	3	0
1½	4	1	4	1	4	2	4	2
2	5	3	5	3	6	0	6	0
2½	7	1	7	1	7	2	7	2
3	8	3	8	3	9	0	9	0
3½	10	0	10	1	10	2	10	2
4	11	2	11	3	12	0	12	0
4½	13	0	13	1	13	2	13	2
5	14	2	14	3	15	0	15	0
5½	16	0	16	1	16	2	16	2
6	17	2	17	3	18	0	18	1
6½	18	3	19	0	19	2	19	3
7	20	1	20	2	21	0	21	1
7½	21	3	22	0	22	2	22	3
8	23	1	23	2	24	0	24	1
8½	24	3	25	0	25	2	25	3
9	26	1	26	2	27	0	27	1
9½	27	2	28	0	28	2	28	3
10	29	0	29	2	30	0	30	1
10½	30	2	31	0	31	2	31	3
11	32	0	32	2	33	0	33	1
11½	33	2	34	0	34	2	34	3
12	35	0	35	2	36	0	36	2
12½	36	1	36	3	37	2	38	0
13	37	3	38	1	39	0	39	2
13½	39	1	39	3	40	2	41	0
14	40	3	41	1	42	0	42	2
14½	42	1	42	3	43	2	44	0
15	43	3	44	1	45	0	45	2
15½	45	0	45	3	46	2	47	0
16	46	2	47	1	48	0	48	2
16½	48	0	48	3	49	2	50	0
17	49	2	50	1	51	0	51	2
17½	51	0	51	3	52	2	53	0
18	52	2	53	1	54	0	54	3
18½	53	3	54	2	55	2	56	1
19	55	1	56	0	57	0	57	3
19½	56	3	57	2	58	2	59	1
20	58	1	59	0	60	0	60	3
20½	59	3	60	2	61	2	62	1
21	61	1	62	0	63	0	63	3
21½	62	2	63	2	64	2	65	1
22	64	0	65	0	66	0	66	3
22½	65	2	66	2	67	2	68	1
23	67	0	68	0	69	0	69	3
23½	68	2	69	2	70	2	71	1
24	70	0	71	0	72	0	73	0
24½	71	1	72	1	73	2	74	2
25	72	3	73	3	75	0	76	0

Feet long	Inches Broad. 37		37½		38		38½	
	F.	Q.	F.	Q.	F.	Q	F.	Q.
1	3	0	3	0	3	0	3	0
1½	4	2	4	2	4	3	4	3
2	6	0	6	1	6	1	6	1
2½	7	2	7	3	7	3	8	0
3	9	1	9	1	9	2	9	2
3½	10	3	10	3	11	0	11	0
4	12	1	12	2	12	2	12	3
4½	13	3	14	0	14	1	14	1
5	15	1	15	2	15	3	16	0
5½	16	3	17	0	17	1	17	2
6	18	2	18	3	19	0	19	1
6½	20	0	20	1	20	2	20	3
7	21	2	21	3	22	0	22	1
7½	23	0	23	1	23	3	24	0
8	24	2	25	0	25	1	25	2
8½	26	0	26	2	26	3	27	1
9	27	3	28	0	28	2	28	3
9½	29	1	29	2	30	0	30	1
10	30	3	31	1	31	2	32	0
10½	32	1	32	3	33	1	33	2
11	33	3	34	1	34	3	35	1
11½	35	1	35	3	36	1	36	3
12	37	0	37	2	38	0	38	2
12½	38	2	39	0	39	2	40	0
13	40	0	40	2	41	0	41	2
13½	41	2	42	0	42	3	43	1
14	43	0	43	3	44	1	44	3
14½	44	2	45	1	45	3	46	2
15	46	1	46	3	47	2	48	0
15½	47	3	48	1	49	0	49	2
16	49	1	50	0	50	2	51	1
16½	50	3	51	2	52	1	52	3
17	52	1	53	0	53	3	54	2
17½	53	3	54	2	55	1	56	0
18	55	2	56	1	57	0	57	3
18½	57	0	57	3	58	2	59	1
19	58	2	59	1	60	0	60	3
19½	60	0	60	3	61	3	62	2
20	61	2	62	2	63	1	64	0
20½	63	0	64	0	64	3	65	3
21	64	3	65	2	66	2	67	1
21½	66	1	67	0	68	0	68	3
22	67	3	68	3	69	2	70	2
22½	69	1	70	1	71	1	72	0
23	70	3	71	3	72	3	73	3
23½	72	1	73	1	74	1	75	1
24	74	0	75	0	76	0	77	0
24½	75	2	76	2	77	2	78	2
25	77	0	78	0	79	0	80	0

Feet long	Inches Broad. 39		39½		40		40½	
	F.	Q.	F.	Q.	F.	Q.	F.	Q.
1	3	1	3	1	3	1	3	1
1½	4	3	4	3	5	0	5	0
2	6	2	6	2	6	2	6	3
2½	8	0	8	0	8	1	8	1
3	9	3	9	3	10	0	10	0
3½	11	1	11	2	11	2	11	3
4	13	0	13	0	13	1	13	2
4½	14	2	14	3	15	0	15	0
5	16	1	16	1	16	2	16	3
5½	17	3	18	0	18	1	18	2
6	19	2	19	3	20	0	20	1
6½	21	0	21	1	21	2	21	3
7	22	3	23	0	23	1	23	2
7½	24	1	24	2	25	0	25	1
8	26	0	26	1	26	2	27	0
8½	27	2	27	3	28	1	28	2
9	29	1	29	2	30	0	30	1
9½	30	3	31	1	31	2	32	0
10	32	2	32	3	33	1	33	3
10½	34	0	34	2	35	0	35	1
11	35	3	36	0	36	2	37	0
11½	37	1	37	3	38	1	38	3
12	39	0	39	2	40	0	40	2
12½	40	2	41	0	41	2	42	0
13	42	1	42	3	43	1	43	3
13½	43	3	44	1	45	0	45	2
14	45	2	46	0	46	2	47	1
14½	47	0	47	2	48	1	48	3
15	48	3	49	1	50	0	50	2
15½	50	1	51	0	51	2	52	1
16	52	0	52	2	53	1	54	0
16½	53	2	54	1	55	0	55	2
17	55	1	55	3	56	2	57	1
17½	56	3	57	2	58	1	59	0
18	58	2	59	1	60	0	60	3
18½	60	0	60	3	61	2	62	1
19	61	3	62	2	63	1	64	0
19½	63	1	64	0	65	0	65	3
20	65	0	65	3	66	2	67	2
20½	66	2	67	1	68	1	69	0
21	68	1	69	0	70	0	70	3
21½	69	3	70	3	71	2	72	2
22	71	2	72	1	73	1	74	1
22½	73	0	74	0	75	0	75	3
23	74	3	75	2	76	2	77	2
23½	76	1	77	1	78	1	79	1
24	78	0	79	0	80	0	81	0
24½	79	2	80	2	81	2	82	2
25	81	1	82	1	83	1	84	1

Feet long	Inches Broad. 41		41½		42	
	F.	Q.	F.	Q.	F.	Q.
1	3	1	3	1	3	2
1½	5	0	5	0	5	1
2	6	3	6	3	7	0
2½	8	2	8	2	8	3
3	10	1	10	1	10	2
3½	11	3	12	0	12	1
4	13	2	13	3	14	0
4½	15	1	15	2	15	3
5	17	0	17	1	17	2
5½	18	3	19	0	19	1
6	20	2	20	3	21	0
6½	22	0	22	1	22	3
7	23	3	24	0	24	2
7½	25	2	25	3	26	1
8	27	1	27	2	28	0
8½	29	0	29	1	29	3
9	30	3	31	0	31	2
9½	32	1	32	3	33	1
10	34	0	34	2	35	0
10½	35	3	36	1	36	3
11	37	2	38	0	38	2
11½	39	1	39	3	40	1
12	41	0	41	2	42	0
12½	42	2	43	0	43	3
13	44	1	44	3	45	2
13½	46	0	46	2	47	1
14	47	3	48	1	49	0
14½	49	2	50	0	50	3
15	51	1	51	3	52	2
15½	52	3	53	2	54	1
16	54	2	55	1	56	0
16½	56	1	57	0	57	3
17	58	0	58	3	59	2
17½	59	3	60	2	61	1
18	61	2	62	1	63	0
18½	63	0	63	3	64	3
19	64	3	65	2	66	2
19½	66	2	67	1	68	1
20	68	1	69	0	70	0
20½	70	0	70	3	71	3
21	71	3	72	2	73	2
21½	73	1	74	1	75	1
22	75	0	76	0	77	0
22½	76	3	77	3	78	3
23	78	2	79	2	80	2
23½	80	1	81	1	82	1
24	82	0	83	0	84	0
24½	83	2	84	2	85	3
25	85	1	86	1	87	2

NAVAL MEASURE.

GENERAL RULES

For determining the CARPENTER'S Tonnage of SHIPS in ENGLAND and IRELAND.

ENGLAND.

THEY measure Ships taken into his Majesty's Service, as follow; *viz.*

1st. Let fall a Perpendicular from the Back of the Main Post, at the Height of the Wing Transom, to the Rabbit of the Keel produced.

2d. Set forward from that 2 Inches and $\frac{1}{2}$ for every Foot in Height, for the Rake of the Post, and from that Point measure to the Perpendicular let fall from the Foreside of the Stem, observing, if the Ship is not on an even Keel, to make Use of a Square applied to the Base Board.

3d. From that Length deduct 3-5ths of the extreme Breadth, and the Remainder is accounted the Length of the Keel for Tonnage.

4th. Multiply this Length by the extreme Breadth, and its Product by the $\frac{1}{2}$ Breadth, which last Product divided by 94, the Quotient will be the Tonnage.

		Feet.	
EXAMPLE.	Length of the Keel for Tonnage,	$70\frac{1}{2}$	How many
	Extreme Breadth,	$24\frac{1}{4}$	Tons?

OPERATION.

```
                Ft. In.
                 70.5  Length.
                 24.25 Breadth.
               ---------
                 35 25
                141 0
               2820
              1410
               ---------
              17096 25
                  12.125 Half the extreme Breadth,
               ---------
               8548 125
              34192 50
             170962 5
            3419250
           1709625
           ------------- Tons.                Tons.
Divisor 94)20729(203 125(220 49-94ths > or 220½
           188 ..
           ---
            .192
             188
            ---
             ..49 Remainder.
```

Note,

Note, 25 is the Decimal of $\frac{1}{4}$
5 ditto of $\frac{1}{2}$ } of any Thing.
75 ditto of $\frac{3}{4}$

Point off your Decimal Places, which here are 6 in Number.

N. B. If you multiply the Length of the Keel by the Square of the Breadth, and divide by 188, it will give the ſame Quotient.

Merchants Ships in LONDON and ſeveral other Parts in GREAT BRITAIN.

1ſt. TAKE the Depth of the Keel below the Rabbit; ſet that off from the Rabbit of the Stern Poſt aftward; from that Point meaſure forward to the Perpendicular let fall from the Foreſide of the Stem at the Height of Breadth; deduct from that Length 3-5ths of the extreme Breadth; the Remainder is accounted the Length of the Keel for Tonnage.

2d. For the Breadth.—Take the Breadth extreme, from Outſide of Plank to Outſide of Plank, either above or below the Wailes, where you find the Ship or Veſſel broadeſt.

3d. For the Depth of Hold.—Take Half the extreme Breadth.

4th. Multiply the Length by the Breadth, and that Product by the Half Breadth, which laſt Product divide by 94, and the Quotient will be the Tons required.

Have proper Reſpect to your Decimal Places, as in the foregoing Operation.

WEST CHESTER and LIVERPOOL.

1ſt. MEASURE from the aft Side of the main Stern Poſt, to the Perpendicular let fall from the Forepart of the Stem at the Height of Breadth.—From that Length deduct 3-5ths of the extreme Breadth molded; the Remainder is accounted the Length of Keel for Tonnage.

2d. For the Breadth.—Take the extreme Breadth molded, that is, from Outſide of Timber on one Side, to Outſide of Timber on the other Side, at the broadeſt Part of the Ship or Veſſel, either above or below the Wailes.

3d. For the Depth.—Take Half the extreme Breadth molded, and proceed as before.

CITY of DUBLIN.

A Double-decked Veſſel.

1ſt. MEASURE from the aft Side of the main Stern Poſt, to the Perpendicular let fall from the Foreſide of the Stem at the Height of Breadth;

Breadth; deduct one Half of the extreme Breadth molded out of that Length, the Remainder is accounted the Length of the Keel for Tonnage.

2d. For the Breadth.——Take the extreme Breadth molded, that is, the broadeſt Part of the Ship or Veſſel, from Outſide of Timber on one Side, to Outſide of Timber on the other Side, either above or below the Wailes, where you find her broadeſt.

3d. For the Depth.——Meaſure from the Ceiling, at the Side of the Keelſon, to the upper Side of the main Beam; add to that Depth one Half of the Height contained between the upper Side of the main Beam and the upper Side of the upper Deck Beam; the Sum is accounted the Depth of the Hold, provided the extreme Half Breadth molded do not exceed it; if ſo, take the extreme Half Breadth molded for the Depth of the Hold.

Single-decked Veſſel.

Take the Length of the Keel as above, likewiſe the extreme Breadth, and for the Depth of the Hold, meaſure from the Ceiling at the Side of the Keelſon, to the upper Side of the main Beam, which is accounted the Depth of the Hold, provided the extreme Half Breadth molded do not exceed it; if ſo, take the Half Breadth for the Depth.

Then multiply the Length by the extreme Breadth molded, and that Product by the Depth of the Hold, (or by the extreme Half Breadth molded, if it exceeds the Depth) divide that Product by 94, and the Quotient will give the required Tons; obſerving to point off your Decimal Places, as in the Operation, Page 92.

In finding the Decimal of any Number of Inches or Quarters, add Cyphers to the Number of Quarters, and divide by 48, the Quarters in one Foot, and the Decimal will appear.

Thus:

I want to find the Decimal of an Inch and $\frac{1}{2}$, which is 6 Quarters.

48|or 6000|125. is the Decimal of an Inch and $\frac{1}{2}$

```
 120
  96
 ---
 .240
  240
 ---
  ...
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And ſo of any other.

A CON-

A CONCISE AND EASY METHOD OF KEEPING ACCOUNTS, BY DAY-BOOK AND LEGER.

INTRODUCTION.

IN order to begin Buſineſs, you are to furniſh yourſelf with a Day-Book and Leger.

DAY-BOOK.

In this Book you are to enter every Occurrence, as it happens in Trade, as buying, ſelling, receiving and delivering.

This Book opens with an Inventory of all the Money, Goods and Debts belonging to you, which is called your Stock.

The LEGER

Is that Book wherein all your Accounts are particularly ſtated.

The Debtor-ſide of every ſuch Account (which is the left) ſhews your Charge againſt that Account, for what it has received, to what Account it is indebted for ſaid Charges, for what, and the reſpective Sums.

The Creditor-ſide of every ſuch Account ſhews that Account's Charge againſt you, what Account it is Creditor by, for what, and the reſpective Sums; all which more plainly will appear.

A GENERAL RULE.

The Perſon or Account that receives is Debtor, conſequently the Perſon or Account received from has Credit for the like Value.

ON THE CONTRARY.

The Perſon or Account that delivers is Creditor; of courſe the Perſon or Account delivered to is Debtor for the like Value: which you are to take Notice of in poſting from your Day-Book into your Leger; for this Rule ſtands good in all Caſes.

This Book opens with an Account of Stock; the Debtor-ſide of which is charged with the Sundries you owe per Inventory, and the Creditor-ſide of which Account has Credit for all you poſſeſs and is owing to you.

Obſerve, that no Account can be charged Debtor in any Sum of Money, but ſome other Account or Accounts muſt be Creditor or Creditors; nor can any Account be Creditor, but ſome other Account or Accounts muſt be Debtor or Debtors for the like Value.

In ſhort, every Sum of Money that is entered on the Debtor-ſide of this Book, the ſame muſt be entered on the Creditor-ſide thereof; always obſerving to put the Day of the Month, Weight, Number, Folio, &c. in their proper Columns.

And for the more ready finding out any Account in your Leger, an Alphabet muſt be formed at the Beginning thereof, wherein the Name of every Perſon or Account therein muſt be alphabetically ſet down, and the Folio oppoſite to the Name.

Be

Be careful to mind your References from Day-Book to Leger, and from one Account to the other, in posting of Debits and Credits, as it will prevent Confusion, and you can then trace your Books with Ease.

DIRECTIONS for POSTING.

1. When you receive Money.

Debit the Account of Cash, and credit the Person or Account received from for the same.

2. When you pay Money.

Place it to the Credit-side of Cash, and make the Person or Account that received Debtor for the like Value.

3. When you buy Goods for ready Money.

Debit the Goods, and credit Cash.

4. When you sell Goods for ready Money.

Debit the Account of Cash, and credit the Account of Goods.

5. When you buy Goods upon Time.

Make the Account of such Goods Debtor to whom you bought them from, and credit the Seller of them by the Goods.

6. When you sell Goods upon Time.

Debit the Party that bought them for the Goods, and give the Goods Credit by the Party for the same.

7. When you buy Goods, and pay Cash in Part, and the rest at Time.

Debit the Account of Goods, to Sundries per Day-Book for the Quantity you bought, then credit Cash for what you paid on that Account, and credit the Party you bought them from with what remained unpaid.

8. When you sell Goods, and receive Cash in Part, and give Time for the Remainder.

Credit the Account of Goods by Sundries per Day-Book for the Quantity sold; then debit Cash for what received in Part, and debit the Party who bought them for the Remainder due on the same.

9. When you buy Goods, and pay Cash in Part, and your Note for the Remainder.

Debit the Goods, to Sundries per Day-Book for the Quantity bought; then credit Cash for what paid in Part, and Bills payable for your Note to the Seller.

10. When you sell Goods, and receive Cash in Part, and a Note for the Remainder.

Credit the Goods, by Sundries per Day-Book for the Quantity you sold, then debit Cash for what you received in Part, and Bills receivable for the Buyer's Note to you.

11. When you pay Money before it is due, and receive Discount for the same.

Debit the Person or Account that received, to Sundries per Day-Book, credit Cash for what you paid, and credit Profit and Loss for what Discount.

12. When you receive Money before it is due, and pay Discount for the same.

Debit Cash for what received, debit Profit and Loss for the Discount, and credit the Person or Account by Sundries per Day-Book.

Relating to BILLS.

1st. If you draw a Bill payable at any Time on a Person who owes you Money, give Credit to the Person on whom the Bill is drawn, and debit the Account of Bills receivable. And when the Bill is paid, credit the Account of Bills receivable, and debit the Account of Cash, *(or the Person to whom the Bill is paid.)*

2d. If a Bill be drawn on you, payable at a certain Time, debit the Drawer, and credit the Account of Bills payable. And when you pay that Bill, credit the Account of Cash, and debit the Account of Bills payable for the like Value.

Profit and Loss Account.

The Debtor-side of which is charged for every Account you have received any Loss by, or made any Disbursement to, and for which you are to receive no Return; and the Creditor-side of said Account you are to credit by every Account or Person you have gained by, or received any Profit from, and for which you are to make no Return.—This Account is balanced by Stock for what is gained or lost in Trade.

Stock Account is balanced by the Account of Balance for the Net of your Estate, and Profit and Loss for what you have gained or lost in Trade at the closing of your Books.

When you wish to balance your Accounts at the Year's End, so as to know how you stand: Get a clean Folio Sheet, and make an Account of Balance thereon, which, having so done, do not enter it in your Leger until you find it right.

When you have brought it to bear in this Sheet, then copy fair your Account of Balance in the Leger.

The Rules for balancing are,

1. Even your Account of Cash, and bear the net Rest to Balance Debtor.

2. Tot up your Goods bought and those sold, each in their Kinds, and see whether all Goods bought be sold or not, and if any remain unsold, value them as they cost you, and bear the net Rest to Balance Debtor. d

3. See what your Goods severally cost, and for what they sold, an bear the net Gain or Loss to the Account of Profit and Loss.

4. Even all your Debtors and Creditors as they come to Hand, and bear the net Rest of every such Account to Balance.

5. Even the Account of Profit and Loss, and bear the net Rest to Stock as an Advance to that Account.

6. Even your Account of Stock, and bear the net Rest to Balance Creditor. When you have so done, tot up the Debtor and Creditor-sides of your Account of Balance, and, if they come out both alike, then are your Accounts well kept; otherwise you must find out any Error that may happen, by ticking over your Books thus [v], to see whether you have entered every Debit and Credit in the Leger properly.

When you want to remove an Account from one Folio to another: If the old Account be evened by Balance on the Creditor-side, then must the new Account be charged to the old Account with the like Sum. And if the old Account be evened to Balance on the Debtor-side, then must the new Account have Credit by the old Account for the Balance thereof; taking Care to make the References to the different Folios.

DAY-

DAY-BOOK.

DAY-BOOK.

DUBLIN, October 1, 1778.

A List of the Money, Goods and Debts, belonging to me, L. H. and taken this Day.

Fo.					L.	S.	D.
1	I HAVE in Cash, —		—		500	—	
2	Sugar, (Lump) 50C. at 3 l. per	£. 150					
	——— (*Jamaica*) 50C. at 2 l. per	100					
			250				
2	Tobacco, 50C. at 4 l. per - -		200				
2	Cheque, 200 Yards, at 9 d. per - -		7	10			
2	Brandy, 500 Gallons, at 4 s per - -		100				
2	Claret, 100 Dozen, at 20s. per - -		100				
2	Rum, 300 Gallons, at 3 s. 6 d. per -		52	10			
3	Geneva, 200 ditto, at ditto per - -		35				
3	Tea (Green) 500lb. at 2 s. 6 d.	£. 62	10				
	— (Bohea) 200lb. at 2 s. per	20					
			82	10			
3	My 1-8th of Ship St. *Peter* - -		100				
					927	10	—
	Debts.						
3	*Thomas James* owes me on Demand	£. 50					
3	*Thomas Roe* the 10th of December next		17	1 3			
4	*James Hunt*, - - -		5	8 9			
					72	10	—
				£.	1500	—	—

☞ *Open these several Accounts in your Leger, and make each of them Debtor to Stock for so much; then give Stock Credit by Sundries, as per Inventory.*

	October 1st.						
	I owe						
4	*John Man*, on Demand, - -	£. 100					
4	*Richard Gyles*, the 30th Instant,		150				
4	*James Jones*, for my Father's Legacy,		100				
					350	—	—
	Debit the Account of Stock, To Sundries per Inventory, and credit the above Accounts, By Stock for what you owe each.						

October

Fo.	October 2d.	L.	S.	D.
	Received from *Thomas James* in Part, - -	40	—	—
1|3	Debit the Account of Cash, and credit *James*.			
	Ditto.			
	Paid *Richard Gyles* on Account - -	100	—	—
4|1	Debit *Gyles*, and credit Cash.			
	3d.			
	Delivered *John Man* 20C. of Lump Sugar, at 4 l. per	80	—	—
4|2	Debit *John Man*, and credit the Account of Sugar.			
	7th.			
	Received of *Thomas James* 100 Yards of Cheque, at 9 d. per	3	15	—
2|3	Debit the Account of Cheque, and credit *James*.			
	9th.			
	Received Cash for 15C. *Jamaica* Sugar, at 2 l. 5 s. per	33	15	—
1|2	Debit Cash, and credit the Account of Sugar.			
	18th.			
	Bought of *Thomas Roe*, and paid him Cash for 100 Yards of Linen, at 1 s. 6 d. per Yard, in 4 Pieces, -	7	10	—
5|1	Debit the Account of Linen, and credit Cash.			
	29th.			
	Sold *Thomas James* 16C. of Tobacco, at 4 l. 5 s. per	68	—	—
	Received in Part - - - £. 50			
	Remainder due on Demand - - 18			
	—68			
1	Debit Cash for what received Account of Tobacco.			
3	Debit *James* for what remained unpaid.			
2	And credit the Account of Tobacco, By Sundries per Day-book, for 16C. &c.			
	November 1st.			
	Bought of *John Man*, 50 Gallons of Brandy, at 4 s. per	10	—	—
	Paid him in Part - - £. 7 19 3			
	Remainder payable on Demand - 2 0 9			
	—10			
2	Debit the Account of Brandy, To Sundries per Day-Book, for 50 Gallons, &c.			
1	Credit Cash for what paid in Part.			
4	And credit *John Man* for what remained unpaid.			
	3d.			
	Ship St. *Peter* is lost, by which I lose	100	—	—
3	Debit Profit and Loss, and credit Ship St. *Peter*.			
	7th.			
	Bought 14 State Lottery Tickets for - -	162	—	—
	Sold them immediately for 170 l.			
	Gained thereon - - -	8	—	—
1|1	Debit Cash, and credit Profit and Loss with 8 l.			
	8th.			
	Received from *Thomas James* what remained unpaid of 68 l. the 29th *ultimo*,	18	—	—
1|3	Debit Cash, and credit *Thomas James*.			
	9th.			
	Paid *John Man* what remained due to him 1st Inst.	2	0	9
4|1	Debit *John Man*, and credit Cash.			

Fo.		L.	S.	D.
	November 11th.			
	Sold *William Dawson* 160 Gallons of Geneva, at 4 s. per Received on Account, £. 22 15 His Note at 10 Days for Remainder 9 5 — 32	32	—	—
1	Debit Cash for what received on Account of Geneva.			
5	Debit Bills receivable for *Dawson*'s Note.			
3	And credit the Account of Geneva, By Sundries per Day-Book for 160 Gallons, &c.			
	12th.			
	Bought of *Thomas James* a Chest of Green Tea, weight 210lb. No. 2, at 3 s. per — —	31	10	—
	Paid him in Cash — — £. 22 15 My Note at 21 Days for Remainder 8 15 — 31 10			
3	Debit the Account of Tea, To Sundries per Day-Book, for 210lb. &c.			
1	Credit Cash for what paid on that Account.			
5	And credit Bills payable for my Note to *James*, at 21 Days.			
	19th.			
	Sold *Thomas Fisher* 100 Gals. of Rum, at 4s. per £. 20 100lb. of Bohea Tea, at 2 s. 6 d. per 12 10	32	10	—
5	Debit *Fisher*, To Sundries per Day Book.			
2	Credit the Account of Rum, By *Thomas Fisher* for 100 Gallons, &c.			
3	And credit the Account of Tea, By *Thomas Fisher* for 100lb. &c.			
	22d.			
	Received from *Thomas Fisher* for what I delivered him the 19th Instant, 60 Yards of Cambrick, at 6 s. 6 d. per £. 19 10 120 Yards of Linen, at 2 s. 2 d. per 13	32	10	—
5	Debit the Account of Cambrick, To *Thomas Fisher* for 60 Yards, &c.			
5	Debit the Account of Linen, to ditto for 120 Yards, &c.			
5	And credit *Fisher*, by Sundries per Day Book.			
	24th.			
	Received from *William Dawson* the Contents of his Note at 10 Days for what remained unpaid the 11th Inst.	9	5	—
1|5	Debit Cash, and credit Bills receivable.			
	December 6th.			
	Paid *Thomas James* my Note of 12th Instant, for what remained due	8	15	—
5|1	Debit Bills payable and credit Cash.			
	7th.			
	Delivered *Richard Gyles* an Order on Demand on *Thomas James*,	6	5	—
4|3	Debit *Gyles* and credit *James*.			

December

Fo.		L.	S.	D.
	December 8th.			
	Received from *James Hunt* his Bill, bearing Date this Day, on *John Man*, for the Value due on Demand,	5	8	9
4|4	Debit *Man* and credit *Hunt*.			
	9th.			
	My Uncle *Durand* is dead, and hath left me payable by his Executors,	200	—	—
4|1	Debit his Executors and credit Profit and Loſs.			
	10th.			
	Sold *Anthony Cole* 16 Dozen of Claret, at 25 s. per	20	—	—
	Received *Wall*'s Note endorſed by him at 3 Days £. 24			
	Delivered him the Difference in Caſh, -	4	—	—
5	Debit Bills receivable, To Sundries per Day-Book for *Wall*'s Note.			
2	Credit Claret, by Bills receivable for 16 Dozen, &c.			
1	And credit Caſh for the Difference paid.			
	14th.			
	Paid for proteſting *Cole*'s Indorſement -	—	2	8½
5|1	Debit Bills receivable, and credit Caſh.			
	19th.			
	Received from *Thomas Roe* what due 10th Inſt. £. 17 1 3			
	With 9 Days Intereſt thereon, - 0 5¾	17	1	8¾
1	Debit Caſh, to Sundries per Day-Book 17 1 8¾			
3	Credit *Roe*, by Caſh received of him £. 17 1 3			
1	And credit Profit and Loſs by Caſh for Intereſt, &c. 0 5¾			
	17 1 8¾			
	20th.			
	Received from *Cole* the Contents of *Wall*'s Note, with Proteſt, £. 24 2 8½			
	Intereſt 7 Days 0 6½	24	3	3
1	Debit Caſh to Sundries per Day-Book, - 24 3 3			
5	Credit Bills receivable by Caſh for *Wall*'s Note and Proteſt, £. 24 2 8½			
1	And credit Profit and Loſs Intereſt on *Wall*'s Note, 0 6½			
	24 3 3			
	21ſt.			
	Bought of *Samuel Long* 400lb. of Bohea Tea, No. 2, at 2 s. per	40	—	—
	Delivered him my Note at 3 Days for 50l.			
	Received from him the Difference in Caſh	10	—	—
3	Debit Tea, to Sundries per Day-Book for 400lb. &c.			
1	Debit Caſh for the Difference of my Note to *Long*.			
5	And credit Bills payable, By Sundries per Day-Book, for ſaid Note.			

December

Fo.	December 29th.		L.	S.	D.
	Samuel Long has protested my Note, and I have paid him his 50 l. with Protest 2 s. 8 ½ d.	£. 50 2 8½			
	Interest 5 Days - - -	0 9¾	50	3	6¼
5	Debit Bills payable to Cash for the Note paid to *Long*	£. 50 0 0			
1	Debit Profit and Loss, for Protest and Interest thereon,	3 6¼			
1	And credit Cash, By Sundries per Day-Book	50 3 6¼			
	30th.				
	Paid my Wife for House-keeping, &c. -		50	—	—
1 1	Debit Profit and Loss and credit Cash.				

END OF THE DAY-BOOK.

☞ Be careful to observe, that in posting up your Accounts in the LEGER, always in the first Place to post up your Debit; after which, give the proper Credit; for, if, through Haste or the like, a Mistake arises on the Credit-side, it is not of such bad Consequence as when it happens on the Debit: for the one may be a total Loss to you, when the other is but an Error in the Account.

LEGER.

L E G E R.

A.	B.	C.
	FOL.	FOL.
	Brandy, - - 2	Cash, - - 1
	Bills receivable, 5	Cheque, - - 2
	Bills payable, 5	Claret, - - 2
	Balance, - - 6	Cambrick, - 5
D.	**E.**	**F.**
	FOL.	FOL.
	Executors of my Uncle *Durand*, 4	*Fisher (Thomas)* 5
G.	**H.**	**J.**
FOL.	FOL.	FOL.
Geneva, - 3	*Hunt (James)* 4	*James (Thomas)* 3
Gyles (Richard) 4		*Jones (James)* 4
K.	**L.**	**M.**
	FOL.	FOL.
	Linen Cloth, 5	*Man (John)* 4

N.	O.	P.
		FOL.
		Profit and Loſs, 1

Q.	R.	S.
	FOL.	FOL.
	Rum, - 2	Stock, - 1
	Roe (Thomas) 3	Sugar, - 2
		Ship St. *Peter*, 3

T.	V.	W.
FOL.		
Tobacco, - 2		
Tea, - - 3		

X.	Y.	Z.

1778.		Stock, Dr.	Fo.	L.	S.	D.
Oct.	1	To Sundries per Day-Book, -		350	0	0
		To Balance for the Net of my Estate,	6	1248	12	6
				1598	12	6

1778.		Profit and Loss, Dr.				
Nov.	3	To Ship St. *Peter*, being lost, I lose	3	100	0	0
Dec.	29	To Cash paid Protest and Interest on my Note to *Long* returned,	1	0	3	6¼
	30	To ditto paid my Wife for House-keeping	1	50	0	0
		To Stock for the Balance,	1	98	12	6
				248	16	0¼

1778.		Cash, Dr.				
Oct.	1	To Stock I have on Hand, -	1	500	0	0
	2	To *Thomas James*, received from him in Part,	3	40	0	0
	9	To Sugar received on that Account,	2	33	15	0
	29	To Tobacco received on Account, -	2	50	0	0
Nov.	7	To ~~Profit and~~ Loss gained by Lottery Tickets,	1	8	0	0
		To *Thomas James*, received what remained the 29th ult.	3	18	0	0
	11	To Geneva received on that Account,	3	22	15	0
	24	To Bills receivable, received *Dawson*'s Note at 10 Days,	5	9	5	0
Dec.	19	To Sundries per Day-Book received from *Roe* with Interest,	3|1	17	1	8¾
	20	To Sundries per ditto received for *Cole*'s Indorsement to me, Protest and Interest,	5|1	24	3	3
	21	To Bills payable received from *Long*, Difference of 50 l.	5	10	0	0
				732	19	11¾

1778.		Contra, Cr.	Fo.	L.	S.	D.
Oct.	1	By Sundries per Inventory, -		1500	0	0
		By Profit and Loſs for Balance thereof,	1	98	12	6
				1598	12	6

1778.		Contra, Cr.				
Nov.	7	By Caſh gained on Lottery Tickets,	1	8	0	0
Dec.	9	By Executors of my Uncle *Durand* for his Legacy,	4	200	0	0
	19	By Caſh, received Intereſt on *Roe*'s 15 Guineas,	1	0	0	5¾
	20	By ditto, received Intereſt on *Cole*'s Endorſement proteſted,	1	0	0	6½
		By Sugar, for what gained by that Account,	2	23	15	0
		By Tobacco for the like, -	2	4	0	0
		By Claret for ditto, - -	2	4	0	0
		By Rum for ditto, - -	2	2	10	0
		By Geneva for ditto, - -	4	4	0	0
		By Tea for ditto, - -	2	2	10	0
				248	16	0¼

1778.		Contra, Cr.				
Oct.	2	By *Richard Gyles*, for what paid him on Account,	4	100	0	0
	18	By Linen for what paid on that Account,	5	7	10	0
Nov.	1	By Brandy for what paid in Part, -	2	7	19	3
	9	By *John Man*, paid what remained 1ſt Inſt.	4	2	0	9
	12	By Tea for what paid on that Account,	3	22	15	0
Dec.	6	By Bills payable, paid my Note to *James* 12th ult.	5	8	15	0
	10	By Bills receivable, paid the Difference of 24 l. to *Cole*, 4 0 0				
	14	By ditto paid proteſting *Cole*'s Endorſement, - - 2 8½	5	4	2	8½
	29	By Sundries per Day-Book, paid my Note to *Long*, Proteſt and Intereſt,	1	50	3	6¼
	30	By Profit and Loſs paid for Houſe-keeping,	1	50	0	0
		By Balance for Caſh in Hands, -	6	479	13	9
				732	19	11¾

1778.		Sugar, Dr.	Fo.	L.	s.	D.
Oct.	1	To Stock for 50C. Lump, at 3 l. per, No. 1, £. 150	1	250	0	0
		To 50C. Jamaica, at 2 l. per, 100				
		To Profit and Loſs gained by this Account,	1	23	15	0
				273	15	0

1778.		Tobacco, Dr.				
Oct.	1	To Stock for 50C. at 4 l. per,	1	200	0	0
		To Profit and Loſs gained by this Account,	1	4	0	0
				204	0	0

1778.		Cheque, Dr.				
Oct.	1	To Stock for 200 Yards, at 9 d. per,	1	7	10	0
	7	To *Thomas James*, for 100 Yards, at ditto,	3	3	15	0
				11	5	0

1778.		Brandy, Dr.				
Oct.	1	To Stock for 500 Gallons, at 4 s. per, No. 1,	1	100	0	0
Nov.	1	To Sundries per Day-Book, for 50 Gallons, at 4 s. per, No. 2,	1|4	10	0	0
				110	0	0

1778.		Claret, Dr.				
				100	0	0
Oct.	1	To Stock for 100 Dozen, at 20 s. per,	1	4	0	0
		To Profit and Loſs gained by this Account,	1			
				104	0	0

1778.		Rum, Dr.				
Oct.	1	To Stock for 300 Gallons, at 3 s. 6 d. per,	1	52	10	0
		To Profit and Loſs gained by this Account,	1	2	10	0
				55	0	0

1778.		Contra, Cr.	Fo.	L.	S.	D.
Oct.	3	By *John Man*, for 20C. Lump, at 4 l. per,	4	80	0	0
	9	By Cash for 15C. Jamaica, at 2 l. 5 s. per,	1	33	15	0
		By Balance for 30C. Lump remaining, at 3 l. per, - - - £. 90	6	160	0	0
		And 35C. Jamaica, at 2 l. per, - 70				
				273	15	0

1778.		Contra, Cr.				
Oct.	29	By Sundries per Day-Book for 16C. at 4 l. 5 s. per,	1|3	68	0	0
		By Balance for 34C. remaining, at 4 l. per,	6	136	0	0
				204	0	0

1778.		Contra, Cr.				
		By Balance for Contra remaining unsold,	6	11	5	0

1778.		Contra, Cr.				
		By Balance for Contra remaining unsold,	6	110	0	0

1778.		Contra, Cr.				
Dec.	10	By Bills receivable for 16 Dozen, at 25 s. per,	5	20	0	0
		By Balance for 84 Dozen remaining unsold, at 20 s. per,	6	84	0	0
				104	0	0

1778.		Contra, Cr.				
Nov.	19	By *Thomas Fisher*, for 100 Gallons, at 4s. per,	5	20	0	0
		By Balance for 200 ditto, remaining unsold, at 3 s. 0 d. per,	6	35	0	0
				55	0	0

1778.		Geneva, Dr.	Fo.	L.	s.	d.
Oct.	1	To Stock for 200 Gallons, at 3 s. 6 d. per,	1	35	0	0
		To Profit and Loſs gained by this Account,	1	4	0	0
				39	0	0

1778.		Tea, Dr.				
Oct.	1	To Stock for 500lb. of Green, No. 1, at 2 s. 6 d. per, - £. 62 10				
		To ditto for 200lb. Bohea, No. 3, at 2 s. per, - - 20	1	82	10	0
Nov.	12	To Sundries per Day-Book for 210lb. Green, No. 2, at 3 s. per,	1|5	31	10	0
	21	To Bills payable, for 400lb. Bohea, No. 4, at 2 s. per,	5	40	0	0
		To Profit and Loſs gained by this Account,	1	2	10	0
				156	10	0

1778.		Ship St. Peter, Dr.				
Oct.	1	To Stock for my one-eighth of her,	1	100	0	0

1778.		Thomas James, Dr.				
Oct.	1	To Stock he owes me,	1	50	0	0
	29	To Tobacco remaining unpaid of 16C.	2	18	0	0
				68	0	0

1778.		Thomas Roe, Dr.				
Oct.	1	To Stock he owes me, payable 10th Dec. next,	1	17	1	3

1778.		Contra, Cr.	Fo.	L.	s.	d.
Nov.	11	By Sundries per Day-Book for 160 Gallons, at 4 s. per,	1|5	32	0	0
		By Balance for 40 Gallons remaining, at 3 s. 6 d. per,	6	7	0	0
				39	0	0

1778.		Contra, Cr.				
Nov.	19	By *Thomas Fisher* for 100lb. Bohea, at 2 s. 6d. per, No. 3,	5	12	10	0
		By Balance for what is remaining, viz. 500lb. Green, at 2 s 6d. per, No. 1, £. 62 10; 210lb. ditto, at 3 s. per, No. 2, 31 10; 100lb. Bohea, at 2 s. per, No. 3, 10 0; 400lb. ditto, at ditto, No, 4, 40 0	6	144	0	0
				156	10	0

1778.		Contra, Cr.				
Nov.	3	By Profit and Loſs, ſhe being loſt I loſe	1	100	0	0

1778.		Contra, Cr.				
Oct.	2	By Caſh received from him in Part,	1	40	0	0
	7	By Cheque for 100 Yards bought of him, at 9 d. per,	2	3	15	0
Nov.	8	By Caſh received Contra Sum remaining, 29th ult.	1	18	0	0
Dec.	7	By *Richard Gyles* for my Order to him on you,	4	6	5	0
				68	0	0

1778.		Contra, Cr.				
Dec.	19	By Caſh received in full,	1	17	1	3

1778.		James Hunt, Dr.	Fo.	L.	S.	D.
Oct.	1	To Stock he owes me,	1	5	8	9

1778.		John Man, Dr.				
Oct.	3	To Sugar for 20C. Lump, at 4 l. per,	2	80	0	0
Nov.	9	To Cash paid Contra Sum remaining 1st Inst.	1	2	0	9
Dec.	8	To *James Hunt* for his Bill on you,	4	5	8	9
		To Balance due to him,	6	14	11	3
				102	0	9

1778.		Richard Gyles, Dr.				
Oct.	2	To Cash paid him on Account,	1	100	0	0
Dec.	7	To *Thomas James* for my Order on him,	3	6	5	0
		To Balance remaining due to him,	6	43	15	0
				150	0	0

1778.		James Jones, Dr.				
		To Balance for Contra due to him,	6	100	0	0

1778.		Executors of my Uncle Durand, Dr.				
Dec.	9	To Profit and Loss, left me payable by them,	1	200	0	0

1778.		Contra, Cr.	Fo.	L.	S.	D.
Dec.	8	By *John Man* for your Bill on him,	4	5	8	9

1778.		Contra, Cr.				
Oct.	1	By Stock I owe him,	1	100	0	0
Nov.	1	By Brandy remaining due to him this Day,	2	2	0	9
				102	0	9

1778.		Contra, Cr.				
Oct.	1	By Stock I owe him the 30th Inst.	1	150	0	0

1778.		Contra, Cr.				
Oct.	1	By Stock for my Father's Legacy,	1	100	0	0

1778.		Contra, Cr.				
		By Balance for Contra Legacy,	6	200	0	0

1778.		Bills or Notes receivable, Dr.	Fo.	L.	S.	D.
Nov.	11	To Geneva for *Dawson*'s Note, at 10 Days,	3	9	5	0
Dec.	10	To Sundries per Day-Book for *Cole*'s Indorsement to me, (Folio 2 | 1) £. 24 0 0		24	2	8½
	14	To Cash paid Protest on ditto, (Fol. 1) 0 2 8½				
				33	7	8½

1778.		Bills and Notes payable, Dr.				
Dec.	6	To Cash paid Contra Note to *James*,	1	8	15	0
	29	To Cash paid Contra Note to *Long*,	1	50	0	0
				58	15	0

1778.		Linen Cloth, Dr.				
Oct.	18	To Cash paid for 100 Yards, No. 1, at 18 d. per,	1	7	10	0
Nov.	22	To *Thomas Fisher* for 120 Yards, No. 2, at 2 s. 2 d.	5	13	0	0
				20	10	0

1778.		Thomas Fisher, Dr.				
Nov.	19	To Sundries per Day-Book,	2|3	32	10	0

1778.		Cambrick, Dr.				
Nov.	22	To *Thomas Fisher* for 60 Yards, at 6 s. 6 d. per,	5	19	10	0

1778.		Contra, Cr.	Fo.	L.	S.	D.
Nov.	24	By Cash received Contra of 11th November,	1	9	5	0
Dec.	20	By Ditto received Contra of 10th and 14th Dec.	1	24	2	8½
				33	7	8½

1778.		Contra, Cr.				
Nov.	12	By Tea passed my Note to *James*, at 21 Days,	3	8	15	0
Dec.	21	By Sundries per Day-Book for my Note to *Long*,	3	50	0	0
				58	15	0

1778.		Contra, Cr.				
		By Balance for Contra remaining unsold,	6	20	10	0

1778.		Contra, Cr.				
Nov.	22	By Sundries per Day-Book,	5	32	19	0

1778		Contra, Cr.				
		By Balance for Contra remaining unsold,	6	19	10	0

Balance, Dr.		Fo.	L.	s.	D.
To Cash remaining in my Hands,		1	479	13	9
To Sugar 30C. Lump, at 3 l. per,	£. 90	2	160	0	0
And 35C Jamaica, at 2 l. per,	70				
To Tobacco 34C. at 4 l. per,		2	176	0	0
To Cheque, 200 Yards, No. 1, at 9 d. per,	£. 7 10	2	11	5	0
And 100 ditto, No. 2, at ditto,	3 15				
To Brandy, 500 Gallons, No. 1, at 4 s. per,	£. 100	2	110	0	0
And ditto 50 Gallons, No. 2, at ditto,	10				
To Claret 84 Dozen, at 20 s. per,		2	84	0	0
To Rum 200 Gallons, at 3 s. 6 d. per,		2	35	0	0
To Geneva 40 ditto, at ditto,		3	7	0	0
To Tea, viz.					
Green, No. 1, 500lb. at 2s. 6d. per,	£. 62 10	3	144	0	0
— 2, 210lb. at 3 s. per,	31 10				
Bohea, — 3, 100lb. at 2 s. per,	10 0				
— 4, 400lb. at ditto,	40 0				
To Executors of my Uncle Durand for his Legacy to me,		4	200	0	0
To Linen, No. 1, 100 Yards, at 18 d. per,	£. 7 10	5	20	10	0
And No. 2, 120 ditto, at 2 s. 2 d. per,	13 0				
To Cambrick 60 Yards, at 6 s. 6 d. per,		5	19	10	0
			1406	18	9

☞ *These Articles on the Debtor-Side, are the several Branches of my Estate.*

Contra, Cr.	Fo.	L.	S.	D.
By *John Man*, I owe him	4	14	11	3
By *Richard Gyles*, due to him,	4	43	15	0
By *James Jones*, for my Father's Legacy to him,	4	100	0	0
By Stock for the Net of my Eſtate,	1	1248	12	6
		1406	18	9

☞ *Theſe Articles on the Creditor-Side (except the laſt, which is the net Value of my Eſtate) are the ſeveral Debts I owe.*

END OF THE LEGER.

TRANSFERING.

WHEN you want to transfer your Account of Balance from Leger A, you must draw out an Inventory thus:

Set down in your new Day-Book, your Cash, Merchandize, and Debts owing to you, as you did when you began Business, likewise the Money you owe, and post these Accounts in Leger B, as by the Directions given for the posting your first Inventory.

The NEW INVENTORY.

DUBLIN, January 1st, 1779.

A List of the Money, Goods and Debts, belonging to me, L. H. and taken this Day from Leger A, Folio 6.

			L.	S.	D.
I HAVE in Cash, - - - -			479	13	9
Sugar 30C. Lump, at 3 l. per, - -	£. 90				
And 35C. Jamaica, at 2 l. per, -	70				
			160	0	0
Tobacco 34C. at 4 l. per, - - -			136	0	0
Gheque 300 Yards, at 9 d. per, - -			11	5	0
Brandy 550 Gallons, at 4 s. per, - -			110	0	0
Claret 84 Dozen, at 20 s. per, - -			84	0	0
Rum 200 Gallons, at 3 s. 6 d. per, - -			35	0	0
Geneva 40 Gallons, at 3 s. 6 d. per, -			7	0	0
Tea (Green) 500lb. No. 1, at 2 s. 6 d. per,	£. 62 10				
Ditto, 210lb. No. 2, at 3 s. per, -	31 10				
Bohea, 500lb. at 2 s. per, - -	50 0				
			144	0	0
Linen 100 Yards, No. 1, at 1 s. 6 d. per	£. 7 10				
Ditto 120 Yards, No. 2. at 2 s. 2 d. per,	13 0				
			20	10	0
Cambrick 60 Yards, at 6 s. 6 d. per, -			19	10	0
Executors of my Uncle *Durand*, they owe me,			200	0	0
			1406	18	9
I owe *John Man*, -	£. 14 11 3				
Richard Gyles, - -	43 15 0		158	6	3
James Jones, - -	100 0 0				
My net Stock, - -		£.	1248	12	6

RATE OF EXCHANGE
WITH
FRANCE, SPAIN, HOLLAND, HAMBURGH, PORTUGAL, GENOA, AND LEGHORN.

LONDON EXCHANGES with FRANCE

Upon the Livre of 10 d. Britiſh,
Three Livres being an Ecu 2 s. 6 d.
The Courſe of Exchange moſtly runs from 31 to 33 d. per Ecu.

With SPAIN:

Upon the Piaſtre of 43 d. Britiſh.
The Courſe of Exchange moſtly runs from 35 to 40 d. per Piaſtre.

With HOLLAND:

Upon the Guilder of 21 d. Britiſh.
Some keep their Accounts in Pounds, Shillings, and Pence Flemiſh, divided as our Pound.

With HAMBURGH:

Upon the Mark of 18 d. Britiſh.
The Par of a Pound Sterling is 35 s. $6\frac{1}{3}$ d. Flemiſh.

With PORTUGAL:

Upon the Milrea of 1000 Reas, being 5 s. $7\frac{1}{2}$ d. Britiſh per Milrea.

With GENOA:

Upon the Piaſtre of 54 d. Britiſh.
The Courſe of Exchange moſtly runs from 45 to 50 d. per Piaſtre.

With LEGHORN:

Upon the Piaſtre of 52 d. Britiſh.
The Courſe of Exchange moſtly runs about 50 d. per Piaſtre.

Week of 6 Days.			5½ Days.			5 Days.			4½ Days.			4 Days.			3½ Days.		
l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.
0	6	0	0	5	6	0	5	0	0	4	6	0	4	0	0	3	6
0	6	6	0	5	11½	0	5	5	0	4	10½	0	4	4	0	3	9½
0	7	0	0	6	5	0	5	10	0	5	3	0	4	8	0	4	1
0	7	6	0	6	10½	0	6	3	0	5	7½	0	5	0	0	4	4½
0	7	7	0	6	11¼	0	6	3¾	0	5	8¼	0	5	0½	0	4	5
0	8	0	0	7	4	0	6	8	0	6	0	0	5	4	0	4	8
0	8	1½	0	7	5¼	0	6	9¼	0	6	1	0	5	5	0	4	8¾
0	8	8	0	7	11¼	0	7	2½	0	6	6	0	5	9¼	0	5	0½
0	9	0	0	8	3	0	7	6	0	6	9	0	6	0	0	5	3
0	9	6	0	8	8½	0	7	11	0	7	1½	0	6	4	0	5	6½
0	9	9	0	8	11¼	0	8	1½	0	7	3¾	0	6	6	0	5	8¼
0	10	0	0	9	2	0	8	4	0	7	6	0	6	8	0	5	10
0	10	6	0	9	7½	0	8	9	0	7	10½	0	7	0	0	6	1½
0	10	10	0	9	11	0	9	0¼	0	8	1½	0	7	2½	0	6	3¾
0	11	0	0	10	1	0	9	2	0	8	3	0	7	4	0	6	5
0	11	4½	0	10	5	0	9	5¾	0	8	6¼	0	7	7	0	6	7½
0	11	6	0	10	6½	0	9	7	0	8	7½	0	7	8	0	6	8½
0	12	0	0	11	0	0	10	0	0	9	0	0	8	0	0	7	0
0	12	6	0	11	5½	0	10	5	0	9	4½	0	8	4	0	7	3½
0	13	0	0	11	11	0	10	10	0	9	9	0	8	8	0	7	7
0	13	6	0	12	4½	0	11	3	0	10	1½	0	9	0	0	7	10½
0	14	0	0	12	10	0	11	8	0	10	6	0	9	4	0	8	2
0	14	6	0	13	3½	0	12	1	0	10	10½	0	9	8	0	8	5½
0	15	0	0	13	9	0	12	6	0	11	3	0	10	0	0	8	9
0	15	6	0	14	2½	0	12	11	0	11	7½	0	10	4	0	9	0½
0	16	0	0	14	8	0	13	4	0	12	0	0	10	8	0	9	4
0	16	3	0	14	10¾	0	13	6½	0	12	2¼	0	10	10	0	9	5¾
0	16	6	0	15	1½	0	13	9	0	12	4½	0	11	0	0	9	7½
0	17	0	0	15	7	0	14	2	0	12	9	0	11	4	0	9	11
0	17	4	0	15	10½	0	14	5¼	0	13	0	0	11	6½	0	10	1¼
0	17	6	0	16	0½	0	14	7	0	13	1½	0	11	8	0	10	2½
0	18	0	0	16	6	0	15	0	0	13	6	0	12	0	0	10	6
0	18	6	0	16	11½	0	15	5	0	13	10½	0	12	4	0	10	9½
0	19	0	0	17	5	0	15	10	0	14	3	0	12	8	0	11	1
0	19	6	0	17	10½	0	16	3	0	14	7½	0	13	0	0	11	4½
1	0	0	0	18	4	0	16	8	0	15	0	0	13	4	0	11	8
1	1	8	0	19	10¼	0	18	0½	0	16	3	0	14	5¼	0	12	7½
1	2	9	1	0	10¼	0	18	11½	0	17	0¾	0	15	2	0	13	3¼
1	3	0	1	1	1	0	19	2	0	17	3	0	15	4	0	13	5
1	3	6	1	1	6½	0	19	7	0	17	7½	0	15	8	0	13	8½
1	4	0	1	2	0	1	0	0	0	18	0	0	16	0	0	14	0
1	4	6	1	2	5½	1	0	5	0	18	4½	0	16	4	0	14	3½
1	5	0	1	2	11	1	0	10	0	18	9	0	16	8	0	14	7
1	6	0	1	3	10	1	1	8	0	19	6	0	17	4	0	15	2
1	7	0	1	4	9	1	2	6	1	0	3	0	18	0	0	15	9
1	8	0	1	5	8	1	3	4	1	1	0	0	18	8	0	16	4
1	9	0	1	6	7	1	4	2	1	1	9	0	19	4	0	16	11
1	10	0	1	7	6	1	5	0	1	2	6	1	0	0	0	17	6

3 Days.			2½ Days.			2 Days.			1½ Day.			1 Day.			½ Day.		
l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.
0	3	0	0	2	6	0	2	0	0	1	6	0	1	0	0	0	6
0	3	3	0	2	8½	0	2	2	0	1	7½	0	1	1	0	0	6½
0	3	6	0	2	11	0	2	4	0	1	9	0	1	2	0	0	7
0	3	9	0	3	1½	0	2	6	0	1	10½	0	1	3	0	0	7½
0	3	9½	0	3	1¾	0	2	6¼	0	1	10¾	0	1	3	0	0	7½
0	4	0	0	3	4	0	2	8	0	2	0	0	1	4	0	0	8
0	4	0¾	0	3	4½	0	2	8½	0	2	0¼	0	1	4¼	0	0	8
0	4	4	0	3	7¼	0	2	10½	0	2	2	0	1	5¼	0	0	8½
0	4	6	0	3	9	0	3	0	0	2	3	0	1	6	0	0	9
0	4	9	0	3	11½	0	3	2	0	2	4½	0	1	7	0	0	9½
0	4	10½	0	4	0¾	0	3	3	0	2	5¼	0	1	7½	0	0	9¾
0	5	0	0	4	2	0	3	4	0	2	6	0	1	8	0	0	10
0	5	3	0	4	4½	0	3	6	0	2	7½	0	1	9	0	0	10½
0	5	5	0	4	6	0	3	7¼	0	2	8½	0	1	9½	0	0	10¾
0	5	6	0	4	7	0	3	8	0	2	9	0	1	10	0	0	11
0	5	8¼	0	4	8¾	0	3	9½	0	2	10	0	1	10¾	0	0	11¼
0	5	9	0	4	9½	0	3	10	0	2	10½	0	1	11	0	0	11½
0	6	0	0	5	0	0	4	0	0	3	0	0	2	0	0	1	0
0	6	3	0	5	2½	0	4	2	0	3	1½	0	2	1	0	1	0½
0	6	6	0	5	5	0	4	4	0	3	3	0	2	2	0	1	1
0	6	9	0	5	7½	0	4	6	0	3	4½	0	2	3	0	1	1½
0	7	0	0	5	10	0	4	8	0	3	6	0	2	4	0	1	2
0	7	3	0	6	0½	0	4	10	0	3	7½	0	2	5	0	1	2½
0	7	6	0	6	3	0	5	0	0	3	9	0	2	6	0	1	3
0	7	9	0	6	5½	0	5	2	0	3	10½	0	2	7	0	1	3½
0	8	0	0	6	8	0	5	4	0	4	0	0	2	8	0	1	4
0	8	1½	0	6	9¼	0	5	5	0	4	0¾	0	2	8½	0	1	4¼
0	8	3	0	6	10½	0	5	6	0	4	1½	0	2	9	0	1	4½
0	8	6	0	7	1	0	5	8	0	4	3	0	2	10	0	1	5
0	8	8	0	7	2½	0	5	9¼	0	4	4	0	2	10½	0	1	5¼
0	8	9	0	7	3½	0	5	10	0	4	4½	0	2	11	0	1	5½
0	9	0	0	7	6	0	6	0	0	4	6	0	3	0	0	1	6
0	9	3	0	7	8½	0	6	2	0	4	7½	0	3	1	0	1	6½
0	9	6	0	7	11	0	6	4	0	4	9	0	3	2	0	1	7
0	9	9	0	8	1½	0	6	6	0	4	10½	0	3	3	0	1	7½
0	10	0	0	8	4	0	6	8	0	5	0	0	3	4	0	1	8
0	10	10	0	9	0¼	0	7	2½	0	5	5	0	3	7¼	0	1	9½
0	11	4½	0	9	5¾	0	7	7	0	5	8¼	0	3	9½	0	1	10¾
0	11	6	0	9	7	0	7	8	0	5	9	0	3	10	0	1	11
0	11	9	0	9	9½	0	7	10	0	5	10½	0	3	11	0	1	11½
0	12	0	0	10	0	0	8	0	0	6	0	0	4	0	0	2	0
0	12	3	0	10	2½	0	8	2	0	6	1½	0	4	1	0	2	0½
0	12	6	0	10	5	0	8	4	0	6	3	0	4	2	0	2	1
0	13	0	0	10	10	0	8	8	0	6	6	0	4	4	0	2	2
0	13	6	0	11	3	0	9	0	0	6	9	0	4	6	0	2	3
0	14	0	0	11	8	0	9	4	0	7	0	0	4	8	0	2	4
0	14	6	0	12	1	0	9	8	0	7	3	0	4	10	0	2	5
0	15	0	0	12	6	0	10	0	0	7	6	0	5	0	0	2	6

TABLE of GUINEAS and HALF GUINEAS.

No.	l.	s.	d.	No.	l.	s.	d.	No.	l.	s.	d.	No.	l.	s.	d.
1	1	2	9	26½	30	2	10½	52	59	3	0	77½	88	3	1½
1½	1	14	1½	27	30	14	3	52½	59	14	4½	78	88	14	6
2	2	5	6	27½	31	5	7½	53	60	5	9	78½	89	5	10½
2½	2	16	10½	28	31	17	0	53½	60	17	1½	79	89	17	3
3	3	8	3	28½	32	8	4½	54	61	8	6	79½	90	8	7½
3½	3	19	7½	29	32	19	9	54½	61	19	10½	80	91	0	0
4	4	11	0	29½	33	11	1½	55	62	11	3	80½	91	11	4½
4½	5	2	4½	30	34	2	6	55½	63	2	7½	81	92	2	9
5	5	13	9	30½	34	13	10½	56	63	14	0	81½	92	14	1½
5½	6	5	1½	31	35	5	3	56½	64	5	4½	82	93	5	6
6	6	16	6	31½	35	16	7½	57	64	16	9	82½	93	16	10½
6½	7	7	10½	32	36	8	0	57½	65	8	1½	83	94	8	3
7	7	19	3	32½	36	19	4½	58	65	19	6	83½	94	19	7½
7½	8	10	7½	33	37	10	9	58½	66	10	10½	84	95	11	0
8	9	2	0	33½	38	2	1½	59	67	2	3	84½	96	2	4½
8½	9	13	4½	34	38	13	6	59½	67	13	7½	85	96	13	9
9	10	4	9	34½	39	4	10½	60	68	5	0	85½	97	5	1½
9½	10	16	1½	35	39	16	3	60½	68	16	4½	86	97	16	6
10	11	7	6	35½	40	7	7½	61	69	7	9	86½	98	7	10½
10½	11	18	10½	36	40	19	0	61½	69	19	1½	87	98	19	3
11	12	10	3	36½	41	10	4½	62	70	10	6	87½	99	10	7½
11½	13	1	7½	37	42	1	9	62½	71	1	10½	88	100	2	0
12	13	13	0	37½	42	13	1½	63	71	13	3	88½	100	13	4½
12½	14	4	4½	38	43	4	6	63½	72	4	7½	89	101	4	9
13	14	15	9	38½	43	15	10½	64	72	16	0	89½	101	16	1½
13½	15	7	1½	39	44	7	3	64½	73	7	4½	90	102	7	6
14	15	18	6	39½	44	18	7½	65	73	18	9	90½	102	18	10½
14½	16	9	10½	40	45	10	0	65½	74	10	1½	91	103	10	3
15	17	1	3	40½	46	1	4½	66	75	1	6	91½	104	1	7½
15½	17	12	7½	41	46	12	9	66½	75	12	10½	92	104	13	0
16	18	4	0	41½	47	4	1½	67	76	4	3	92½	105	4	4½
16½	18	15	4½	42	47	15	6	67½	76	15	7½	93	105	15	9
17	19	6	9	42½	48	6	10½	68	77	7	0	93½	106	7	1½
17½	19	18	1½	43	48	18	3	68½	77	18	4½	94	106	18	6
18	20	9	6	43½	49	9	7½	69	78	9	9	94½	107	9	10½
18½	21	0	10½	44	50	1	0	69½	79	1	1½	95	108	1	3
19	21	12	3	44½	50	12	4½	70	79	12	6	95½	108	12	7½
19½	22	3	7½	45	51	3	9	70½	80	3	10½	96	109	4	0
20	22	15	0	45½	51	15	1½	71	80	15	3	96½	109	15	4½
20½	23	6	4½	46	52	6	6	71½	81	6	7½	97	110	6	9
21	23	17	9	46½	52	17	10½	72	81	18	0	97½	110	18	1½
21½	24	9	1½	47	53	9	3	72½	82	9	4½	98	111	9	6
22	25	0	6	47½	54	0	7½	73	83	0	9	98½	112	0	10½
22½	25	11	10½	48	54	12	0	73½	83	12	1½	99	112	12	3
23	26	3	3	48½	55	3	4½	74	84	3	6	99½	113	3	7½
23½	26	14	7½	49	55	14	9	74½	84	14	10½	100	113	15	0
24	27	6	0	49½	56	6	1½	75	85	6	3				
24½	27	17	4½	50	56	17	6	75½	85	17	7½				
25	28	8	9	50½	57	8	10½	76	86	9	0				
25½	29	0	1½	51	58	0	3	76½	87	0	4½				
26	29	11	6	51½	58	11	7½	77	87	11	9				

FINIS.

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